SIXTEENTH ANNUAL CATALOGUE

...OF THE...

COLLEGE OF MEDICINE

FOUNDED IN 1885

...DEPARTMENT OF THE...

UNIVERSITY OF SOUTHERN CALIFORNIA

T. T. JONES & SON
PRINTERS AND PAPER BOX MAKERS
LOS ANGELES

CALENDAR 1900-1901.

October 22 to 24—Entrance Examinations are conducted.

October 24, Wednesday—Regular term begins at 8 p. m. at the College Building.

December 22, Saturday Evening—Christmas Vacation begins.

January 2, Wednesday, 9 a. m.—Lectures resumed.

May 15, Wednesday—Examinations for the degree in Medicine begin, and continue until June 2.

June 3—Undergraduate Examinations begin.

June 13, Thursday, 8 p. m.—Commencement Exercises.

On all Legal Holidays of the State of California the schedule is suspended.

College of Medicine

Faculty

GEO. COCHRAN, D. D., - - - University P. O.
Acting President of the University

J. P. WIDNEY, A. M., M. D., LL. D., - - 150 West Adams Street
Emeritus Dean and Professor of Medicine

H. H. MAYNARD, M. D., - - - Wilcox Block
Emeritus Professor of Surgery

JOSEPH KURTZ, M. D., - - - Douglas Block
Professor of Clinical Surgery

GEORGE W. LASHER, M. D., - - - Hollenbeck Hotel
Professor of Surgery

W. LE MOYNE WILLS, M. D., - - - Wilcox Block
Professor of Anatomy

J. H. UTLEY, M. D., - - - Currier Block
Professor of Medicine

GRANVILLE MACGOWAN, M. D., - - Douglas Block
Professor of Diseases of the Skin and Genito-Urinary Organs

E. A. FOLLANSBEE, M. D., - - - Laughlin Block
Professor of Diseases of Children

HENRY S. ORME, A. B., M. D., - - Douglas Block
Professor of Hygiene and State Medicine

H. G. BRAINERD, A. B., M. D., - - 315 West Sixth Street
Dean, and Professor of Diseases of the Mind and Nervous System

D. C. BARBER, A. M., M. D., - - - Byrne Block
Professor of Pathology

WILLIAM D. BABCOCK, A. M., M. D., - Stimson Block
Secretary, and Professor of Diseases of Ear, Nose and Throat

H. BERT ELLIS, A. B., M. D., - - - Bradbury Block
Professor of Ophthalmology

F. D. BULLARD, A. M., M. D., - - - Bradbury Block
Professor of Chemistry

NATHANIEL P. CONREY, A. M., - California Bank Building
Professor of Medical Jurisprudence

MELVIN L. MOORE, M. D., - - - Bradbury Block
Professor of Obstetrics

CLAIRE W. MURPHY, M. D., - - - 315 West Sixth Street
Demonstrator of Anatomy

WALTER LINDLEY, M. D., - - - 315 West Sixth Street
Professor of Gynecology

HORACE B. WING, B. S., M. D., - - Bradbury Block
Professor of Clinical Medicine

GEO. L. COLE, M. D., - - - Potomac Block
Professor of Materia Medica, Therapeutics and Physical Diagnosis

CARL KURTZ, M. D., - - - Douglas Block
Associate Professor of Gynecology

MILBANK JOHNSON, M. D., - - - Frost Block
Professor of Physiology

STANLEY P. BLACK, PH. B., M. D., - - Potomac Block
Professor of Histology, Bacteriology and Clinical Microscopy

RALPH WILLIAMS, M. D., - - - Douglas Block
Instructor in Skin and Venereal Diseases

R. V. DAY, M. D., - - - Currier Block
Instructor in Medicine

O. O. WITHERBEE, M. D., - - - Frost Block
Instructor in Physiology

W. JARVIS BARLOW, A. B., M. D., - - Wilcox Block
Instructor in Physical Diagnosis

JOSEPH M. KING, M. D., - - - Potomac Block
Instructor in Materia Medica

J. LEE HAGADORN, M. D., - - - Douglas Block
Instructor in Medicine

L. J. STABLER, M. S., PH. C., - - 1090 West Thirtieth Street
Lecturer on Chemistry

E. A. BRYANT, M. D., - - - Douglas Block
Lecturer on Abdominal Surgery

Announcement

of the

College of Medicine

Session of 1900-1901

The College of Medicine of the University of Southern California is now entering upon its sixteenth year of work. Aiming to do only thorough work, it adopted from the first a three years' graded course of instruction. In 1896, this was increased to four years' attendance.

There is no bar of race, color, religion or sex to the admission of students. The College is open to all.

LOCATION.

The Faculty of this College believe that they are justified in calling the attention of Eastern students who are not robust to the peculiarly healthful and delightful climate of Los Angeles.

Many students on the Atlantic seaboard and in the Mississippi valley find the rigorous winters interfering materially with their ability to study. They also take the risk of having chronic pulmonary troubles fastened upon them. To such we say that the Los Angeles winter is really an ideal summer; and instead of the snow, sleet and ice many of us experienced in New York, Philadelphia and Chicago, we have here in Los Angeles, throughout the winter, sunshine, flowers and oranges. We believe living in Los Angeles is cheaper than in any other American city, and the only special extra outlay the student would incur would be the car-fare. Round-trip excursion tickets can be purchased that are good for nine months.

Los Angeles is a progressive town, with a population of more than one hundred thousand. It is the greatest railroad center on

the Pacific Coast, and has within a few miles, three seaports—San Pedro, Redondo and Santa Monica. Besides the Medical College, Los Angeles has all the educational and social advantages belonging to a place of its size. There is an excellent public library, and numerous churches, colleges and private schools.

COLLEGE BUILDING.

The College Building is located on the west side of Buena Vista street, between Ord and Alpine streets. It is on the Daly street division and only a short distance from the Downey avenue division of the Los Angeles electric railway, and near the Pasadena and Santa Monica electric lines, making it accessible from all parts of the city and outlying towns. It is a three-story and basement building, with a two-story wing, in which is an amphitheater with seating capacity for 300. This building was erected in 1895, and is well lighted, heated and ventilated.

The lower floor is devoted largely to the College Dispensary, and has numerous rooms arranged for medical, surgical, gynecological, eye, ear, nose and throat clinics. The chemical and toxicological laboratories, with lecture and study rooms, occupy the second floor, while the anatomical laboratory and lecture rooms are in the third story. In the basement, a refrigerating room has recently been installed, affording ample room for anatomical material. There is also a room equipped with bicycle stands for the use of the students.

HENDRYX LABORATORY.

The Hendryx Laboratory was built by Dr. W. A. Hendryx as a memorial to his wife, Lucy Sheppard Hendryx, and was presented to the College January 6th, 1899. It is a two-story building, standing about fifty feet north of the College building and farther from the street, thus avoiding the dust and noise of the street. It was planned by Prof. Black, and is unexcelled anywhere in its lighting and convenience. It is well equipped for undergraduate work and original investigation in histology, pathology, bacteriology and physiology, and has in connection with it an excellent house for the care of the animals used in experimental work.

SYSTEM OF INSTRUCTION.

In the third year, recitations and laboratory work are continued, with didactic lectures, but most of the work requiring attendance in the laboratory and recitation room is finished at the close of this year, while the senior year is devoted largely to clinical work and experimental work in the laboratory. The senior and junior classes are divided into sections: these sections, in rotation, act as assistants to the various clinics, so that during the term each member of each section has been able to act as assistant in the Gynecological, Surgical, Rectal, Eye and Ear, Nose and Throat, Children, Skin and Genito-Urinary, Medical and Neurological clinics. During the first two years of the course, most of the instruction is given by recitations and in the laboratories.

ANATOMY.

PROF. WILLS. DR. MURPHY.

The work in this department consists of six recitations per week for the first year and four recitations per week for the second year. The recitations and quizzes are supplemented by the demonstration of each topic on the cadaver before the class. In addition to this, the dissection of six parts (that is, both lateral halves of the body,) is required of each student. These dissections are conducted under the direction of the assistant demonstrators of anatomy. The supply of material is always abundant. Each student, while dissecting, is expected to be in the Anatomical Laboratory between 3 and 6 P. M. on five days of the week. The demonstrator and his assistants will be present to assist him at that time.

Regional Anatomy is taught by Professor Wills in a course of lectures extending through the first half of the third year, and is illustrated by actual dissections on the cadaver, charts and manikins.

PHYSIOLOGY.

PROF. JOHNSON. DR. WITHERBEE.

Physiology is taught by the combined method of lectures, recitations, and laboratory work. Professor Johnson lectures three hours per week to the first year students upon the subjects of Blood, Circulation, Digestion, Secretion, Excretion and general Metabolism, including the subject of Animal Heat. This department is conducted with especial relation to the chair of Histology, so that the students

may see, and thoroughly understand the minute anatomy of the different organs which they are studying.

In addition to this, we have a well-equipped physiological laboratory located in the Hendryx Laboratory building, and under the direction of a special instructor, where each student may become thoroughly acquainted with the graphic method of recording physiological events, preparing him for original work later in life, and also serving to indelibly fix the most important physiological processes and phenomena.

In the second year, Dr. Witherbee lectures three hours per week upon the subject of muscular and nervous phenomena, as well as those upon the special senses and the phenomena of reproduction. As far as possible these lectures are illustrated by practical demonstrations in the Laboratory.

Through the generosity of Mrs. Mary Jane Mansil, of Hartford, Conn., we received a large sum of money for physiological apparatus. This will be expended by Professor Johnson, this summer, for new instruments needed in his branch.

SURGERY.

PROF. LASHER. PROF. JOS. KURTZ. PROF. WILLS.

Prof. Lasher delivers two lectures and conducts one recitation a week to the third and fourth year students on Surgery and one recitation on Surgical Pathology to the second year students. Prof. Jos. Kurtz delivers one lecture a week on Operative and Orthopedic Surgery to the third and fourth year students. This work is supplemented by six clinics at the College Dispensary and three clinics at the County Hospital per week.

MEDICINE.

PROF. UTLEY. PROF. WING. PROF. COLE.
DR. BARLOW. DR. HAGADORN. DR. DAY.

Prof. Utley conducts two lectures and recitations per week for the fourth year students: Dr. Hagadorn three recitations per week for the third year students. Dr. Barlow gives two lectures a week for the first semester on Physical Diagnosis, and during the second semester two hours per week practical work in the College Dispensary to the second year students. Dr. Day conducts two recitations per week on Clinical Medicine during the second year. This is supplemented by six medical clinics per week at the College Dispensary for third and

fourth year students. Also, by two clinics per week by Prof. Wing and one by Prof. Cole at the County Hospital. The clinics at the County Hospital are mostly given in the ward at the bedside of the patient.

MATERIA MEDICA AND THERAPEUTICS.

PROF. COLE. DR. KING.

Prof. Cole gives one lecture per week to the third year students on Therapeutics. Dr. King devotes two hours a week to lectures and recitations on Materia Medica to the first year students, and two hours a week of lectures and recitations to the second year students. Much of the time in the latter year is devoted to the physiological action of drugs. In addition to this, each student serves daily for four weeks compounding and dispensing prescriptions, under the supervision of a competent pharmacist, in the College Dispensary.

CHEMISTRY.

PROF. STABLER.

Instruction in this department includes one hour of lecture and recitation and four hours of laboratory work throughout the first two years.

TOXICOLOGY.

DR. BULLARD. DR. FOSDICK.

Toxicology and Clinical Chemistry are taught by Dr. Bullard and Demonstrator E. H. Fosdick. The course includes lectures and practical laboratory work in Toxicology, urine analysis, and chemical examination of the blood and contents of the stomach. This course will comprise one hour in the lecture room and two hours in the laboratory throughout the second year.

HYGIENE AND STATE MEDICINE.

PROF. ORME.

One hour per week will be devoted to this subject during one-half of the second year.

OBSTETRICS.

PROF. MOORE.

Two hours a week of lectures and recitations are given the third year students and one hour a week to manipulations on the manikin

and cadaver before the fourth year students. This course is supplemented by arrangements whereby each member of the senior class is enabled to take charge of cases under the direction of some member of the Faculty to act as assistant to the physician having in charge the obstetrical ward of the County Hospital, and also the obstetrical cases in one of the rescue homes, so that each student in the senior class personally attends several cases before graduating.

OPHTHALMOLOGY.

PROF. ELLIS.

Ophthalmology is taught by Prof. Ellis by means of lectures, recitations and clinical instruction. Each student of the senior class is taught the use of the ophthalmoscope and must be able to draw the fundus of a given eye before he may pass in this branch. Prof. Ellis will conduct two clinics a week at the College Dispensary, and a surgical clinic at the County Hospital, where the senior students will act as assistants and in turn keep record of the cases. The large amount of clinical material in attendance at this clinic, enables the Professor to give a thorough and practical course. One hour per week of recitations is given the third year students for one-half year.

EAR, NOSE AND THROAT.

PROF. BABCOCK.

The third year students have one recitation a week for one-half year and the fourth year students are given two clinics per week at the College. Prof. Babcock also permits members of the fourth year class to assist him at numerous private operations.

DISEASES OF CHILDREN.

PROF. FOLLANSBEE.

Professor Follansbee gives one recitation or lecture per week throughout the third year. This is supplemented by two clinics per week at the College Dispensary.

GYNECOLOGY.

PROF. LINDLEY. **PROF. CARL KURTZ.**

Professor Lindley delivers one lecture per week throughout the year to the third year class. This is further supplemented by two clinics per week at the College, conducted by Professor Carl Kurtz, and

one clinic each week at the County Hospital, conducted by Professor Lindley. The senior students have also the opportunity of attending a large number of operations at the various private hospitals in the city with which different members of the Faculty are connected.

DISEASES OF THE SKIN AND GENITO-URINARY ORGANS.

PROF. MacGOWAN. DR. WILLIAMS.

In this College the branches of Genito-Urinary Surgery, Syphilis, and Diseases of the Skin are taught by the same Chair, and these clinics are united. No regular method of didactic lectures is followed, but the teaching is eminently practical, and consists of careful instruction in diagnosis and treatment upon living examples of the diseases used as a theme for the day's clinical demonstration. Clinics are held on Tuesdays and Saturdays at the College Dispensary, from 1 to 3 p. m., and at the County Hospital on Wednesday and Saturday mornings. During the year there is plenty of material for showing to the students all of the operations in Genito-Urinary Surgery. The class is instructed in the use of the eystoscope and the endoscope ; these instruments being used whenever an indication therefor exists.

NEUROLOGY.

PROF. BRAINERD. DR. MURPHY.

Doctor Murphy gives one hour per week the first half of the year to the fourth year students on the Minute Anatomy of the Nervous System. This is illustrated by demonstrations, charts and microscopic specimens. Prof. Brainerd gives one lecture per week throughout the year to the fourth year students, and conducts a clinic once a week at the County Hospital and once a week at the College. The lectures for the first half of the year are upon insanity. The present method of caring for the insane at the County Hospital, prior to their examination for commitment to the State Hospital for the Insane, enables the students to see during the year at the hospital clinics nearly every form of insanity.

MEDICAL JURISPRUDENCE.

PROF. CONREY.

Professor Conrey lectures one hour per week during the last half of the senior year, giving fully the legal aspect of medical expert testimony, and the rights and duties of physicians in their relations to patients.

HISTOLOGY AND EMBRYOLOGY.

PROF. BLACK.

Two periods of three hours each per week throughout the term will be devoted to these subjects by Professor Black and his assistants. The last six weeks of the term are devoted to Embryology. These subjects are taught by laboratory work, and lectures are given in the Laboratory by the Professor on points needing special elucidation. The student is first of all instructed in the theory and practical workings of the microscope and the care of the instrument. Then the tissue cells are studied by teasing and dissociating until the individual cells of each tissue and organ of the human body are thoroughly understood. Following this, instruction is given in fixing, hardening, embedding of tissues and cutting or staining of sections. Finally sections of each organ of the human body are made and thoroughly studied. As far as possible, human specimens are studied. Where animal tissues are used, the differences between them and the human tissues are clearly pointed out. The laboratory is fully equipped with microtomes (freezing Zeiss and Thoma models), dissecting and compound microscopes.

PATHOLOGY.

PROF. BARBER. PROF. BLACK.

Professor Barber conducts two lectures or recitations per week throughout the second year, and requires each senior student to make one or more autopsies under his direction. Professor Black devotes four consecutive hours on two days each week during the second year to laboratory instruction. The aim of the latter is to fit the student for practical diagnosis. The main instruction is upon sections made from tissues removed from the human body at operations for the purpose of diagnosis. After a brief preliminary course, the students are obliged to make their own diagnoses of the specimens given them. The students are encouraged to attend surgical clinics and collect material, prepare, fix, harden, embed and section the same, and make the diagnosis. Every facility is given students for such work in the clinics.

BACTERIOLOGY.

PROF. BLACK.

Professor Black teaches this by practical laboratory work in the new Hendryx Laboratory. Each student prepares his own culture

media. The first half of the course is devoted to the cultivation of the principal non-pathogenic bacteria so that the technique may be thoroughly mastered. Then the principal pathogenic bacteria are studied. Particular stress is laid on the diagnosis of Diphtheria, Typhoid (Widal test), and Tuberculosis. Thorough drill is given in these more practical methods. Four consecutive hours on three days of the week during two months are devoted to this course.

CLINICAL FACILITIES.

On four mornings of the week, the County Hospital is open to students for clinical instruction. As there are nearly two hundred beds in this institution and nearly twelve hundred patients are admitted annually, it affords excellent opportunities for instruction. In addition to the cases in the general hospital, the new law of the State is such that all insane patients are kept under observation at the County Hospital for twenty-four hours or more prior to their examination for commitment to the State Hospital for the Insane. There are also a number of well conducted private hospitals throughout the city, with all of which various members of the faculty are officially connected; and, though not open to instruction of the students as a whole, they afford facilities to all the senior students at various times to witness a great variety of surgical operations and many interesting medical cases.

A well organized dispensary at the College Building furnishes abundant material for daily clinics, in which the advanced students are required to do a large amount of the work in the examining and prescribing for patients, under the direction of the medical instructors. Arrangements have also been made with the Associated Charities whereby such cases coming within their jurisdiction as need medical attendance are placed in the care of the senior students, under the supervision of the clinical staff of the Dispensary.

COURSE OF STUDY.

FIRST YEAR.

MATERIA MEDICA—Two hours of lectures and recitations per week. Practical work in Dispensary, twelve hours for four weeks.

ANATOMY—Six hours recitations with demonstration on cadaver, each week. Dissections of at least one lateral half of body.

PHYSIOLOGY—Three hours of recitations and two hours of laboratory work per week.

CHEMISTRY—One hour recitation and four hours of laboratory work per week.

HISTOLOGY—One hour recitation and six hours of laboratory work per week.

FINAL EXAMINATIONS at end of year on Histology, Embryology, Osteology, Syndesmology, Myology, and in Physiology on the Blood, Circulation, Digestion, Secretion and Excretion, Animal Heat.

SECOND YEAR.

MATERIA MEDICA—Two hours lectures and recitations per week.

ANATOMY—Four hours recitations and demonstrations on cadaver per week. Dissections, one lateral half of body.

SURGICAL ANATOMY—Two hours lectures and recitations per week, first half year.

PHYSIOLOGY—Two hours recitations and two hours laboratory per week.

CHEMISTRY—One hour lecture or recitation and four hours laboratory per week.

PATHOLOGY—Two hours recitation and lectures per week, and eight hours laboratory work per week.

SURGICAL PATHOLOGY—One hour lecture and recitation per week.

PHYSICAL DIAGNOSIS—Two hours recitations per week for half year, and two hours practical work in College clinic the last half year.

HYGIENE—One hour lecture per week for half year.

CLINICAL MEDICINE—Two hours recitation per week throughout year.

FINAL EXAMINATIONS at end of year in Materia Medica, Anatomy (descriptive), Physiology, Chemistry, Pathology, Hygiene, Physical Diagnosis.

THIRD YEAR.

SURGERY—Three hours lectures, one hour recitation, and two hours clinics at County Hospital per week.
Six hours clinics at College Dispensary per week.

MEDICINE—Three recitations per week.
Six hours clinics at College Dispensary.

OBSTETRICS—Two recitations per week.

THERAPEUTICS—Two hours lectures and recitations per week.

PÆDIATRICS—One hour lecture and recitation per week.

GYNECOLOGY—One hour recitation per week.

TOXICOLOGY, URINALYSIS AND CLINICAL CHEMISTRY—One hour lecture and two hours laboratory per week.

DERMATOLOGY AND VENEREAL—One hour clinic per week.

BACTERIOLOGY—Twelve hours laboratory per week, for six weeks.

SURGICAL ANATOMY—Two hours lectures and recitations per week, for one-half year.

GROSS PATHOLOGY—One hour per week, for one-half year.

OPHTHALMOLOGY—One hour recitation per week, for one-half year.

OTOLOGY, LARYNGOLOGY, ETC.—One hour recitations per week, for one-half year.

FINAL EXAMINATIONS at end of third year in Therapeutics, Pædiatrics, Toxicology, Etc., Bacteriology, Surgical Anatomy, Gross Pathology and Obstetrics.

FOURTH YEAR.

SURGERY—Two hours lectures, one hour recitation.
Two hours clinics at County Hospital.
Orthopedics, one hour lecture per week.

MEDICINE—Two hours lectures and one hour recitations.
Three hours clinics and bed-side instructions at County Hospital.

OBSTETRICS—One hour demonstrations on manikin and on cadaver per week.

GYNECOLOGY—One hour clinic at County Hospital.
Two hours clinic at College Dispensary per week.

NEUROLOGY—One hour lecture, one hour clinic and bed-side instruction at County Hospital.

NEUROLOGY (continued)—
One hour clinic at College Dispensary per week.
One hour lecture and recitation on minute Anatomy per week, for twelve weeks.

DERMATOLOGY, VENEREAL AND GENITO-URINARY—One hour clinic at County Hospital, and one hour clinic at College Dispensary, per week.

OPHTHALMOLOGY—Two hours clinic per week at College Dispensary.

OTOLOGY, LARYNGOLOGY, ETC.—Two hours clinic at College Dispensary, per week.

FINAL EXAMINATIONS at the end of the year in Surgery, Medicine, Gynecology, Neurology, Dermatology, Genito-Urinary, Ophthalmology, Otology, Laryngology.

REQUIREMENTS FOR ADMISSION.

All students must register each year with the Secretary.

To the First Year Class:

Students will be required to pass an examination, unless graduates of some University, College, High School, Academy or Normal School, or present certificates as having done work in such institutions as covers the grounds hereafter mentioned. The examination will consist, first, of English, in which a composition of not less than two hundred words must be written by the student at the time of the examination; this will be marked on construction, punctuation, orthography, and chirography. Second, in Arithmetic, such ground as is covered by the Common School Arithmetic. In Algebra, through quadratic equations. In Physics, on principles of mechanics, hydrostatics, hydraulics, optics and acoustics. In Latin, one year's work is required in Preparatory Schools. Applicants who fail in one or more of these branches will be required to make up the deficiency before beginning the second year's work in this College.

To the Second Year Class:

Any student who has attended one or more courses in an accredited Medical College, or any graduate of a College of Letters giving a four years' course of instruction, the last year of which is arranged to be preparatory to a medical course, or any graduate of a School of Dentistry, Pharmacy or Veterinary Medicine, which school is in recognized good standing, may be permitted, if he so make application, to appear for

examination in the first year's studies of this College, and if he successfully pass the examinations, may be permitted to enter the second year; subject, however, to the further approval of the Dean and Faculty of this School.

To the Third Year Class:

Any student who has attended two terms in this or any other accredited Medical College, whose course of study is equally advanced, may, on presentation of proper credentials, enter the third year class.

To the Fourth Year Class:

Same as above, only adding one year's attendance.

REQUIREMENTS FOR GRADUATION.

First—The candidate for the degree of *Medicinæ Doctor* must have attained the age of twenty-one years, and be of good moral character.

Second—He must have studied medicine for four full years, must have attended four courses of medical lectures (no two of them occuring in the same calendar year), the last of which must have been in this College.

Third—He must have passed the required examinations, must have dissected the entire cadaver, must have fulfilled the required periods of laboratory work.

Fourth—He must have paid all the College fees.

Fifth—The foregoing are essential. But in addition to these is the final test vote of the Faculty as to the general fitness of the candidate for the degree; the Faculty reserving the right to reject in any or all cases upon this ground, apart from and in addition to all other tests and requirements.

The following members of the class of 1900 have received the appointment as internes in the following hospitals:

Geo. A. Laubersheimer,	County Hospital,	Los Angeles.
Melville L. Loomis,	"	"
T. Chalmers Myers,	"	"
Wm. H. Mayne,	County Infirmary,	"
Jno. M. Dunsmoor,	California Hospital,	"
Fred. W. Reynolds,	Hospital, Soldiers' Home.	
Nannie C. Dunsmoor,	Children's Hospital, San Francisco.	
Marietta H. Bewley,	"	"
Frederica A. Keep,	"	"

FEES.

First Year—	
Matriculation	$ 5 00
Demonstration Fee	10 00
Lectures	130 00
	$145 00
Second Year Lectures	$130 00
Third Year Lectures	130 00
Fourth Year Diploma Fee	40 00
Total tuition for the four years	$445 00

The Diploma Fee must be paid by Jan. 1st, but will be returned if the candidate fails.

All fees must be paid at the beginning of the term.

Students admitted to any advanced course in consideration of work done elsewhere, must pay Matriculation, Demonstration and Lecture Fees.

Room and board may be procured for four dollars a week and upwards.

Any further information may be had by application in person, or by writing to the

CLERK OF THE FACULTY,
737 Buena Vista Street,
Los Angeles, Cal.

Or, to
W. D. BABCOCK, A. M., M. D., Secretary,
101-102 Stimson Block, Los Angeles, Cal.

TEXT AND REFERENCE BOOKS.

	TEXT BOOKS.	REFERENCE BOOKS.
ANATOMY	*Morris*	Gray, Leidy, Holden.
PHYSIOLOGY	*Stewart*	Landois-Foster, Kirk.
CHEMISTRY	*Simon*	Attfield.
MATERIA MEDICA	*Biddel*	U. S. Dispensatory.
THERAPEUTICS	*White*	Bartholow, Hares.
CLINICAL MEDICINE	*Musser*	Loomis, Purdy.
SURGERY	*American System*	DaCosta, Moullin, International Text Book.
SURGICAL ANATOMY	*Holden*	Gray.
MEDICINE	*Tyson-Osler*	Anders.
OBSTETRICS	*American System.*	
GYNECOLOGY	*American Text Book*	Skene, Penrose, Garrigues.
GENITO-URINARY SURGERY	*White & Martin*	Lydston, Keyes & Chetwood.
DISEASES OF CHILDREN	*Taylor*	Holt, Roeh.
MIND AND NERVOUS	*Dana*	Gowers, Clouston.
HYGIENE	*Rohe*	Parks, Buck, Wilson.
OPHTHALMOLOGY	*Jackson*	Swanzy, DeSchweinitz.
EAR	*Bacon*	American System.
NOSE AND THROAT	*Coakley*	Bosworth.
SKIN	*Walker*	Crocker, Kaposi.
JURISPRUDENCE	*Taylor*	Woodman & Tidy.
MICROSCOPY.		
PATHOLOGY	*Stengel*	Coplin.
PHYSICAL DIAGNOSIS	*Loomis*	Ingalls.
HISTOLOGY	*Clarkson*	
BACTERIOLOGY	*Hewlett*	Abbott.

Schedule of Clinics

Free Dispensary, 737 Buena Vista Street

MONDAY—

Surgery	Dr. Lasher
Medicine	Dr. Johnson
Gynecology	Dr. Carl Kurtz
Nervous Diseases	Dr. Brainerd

TUESDAY—

Surgery and Genito-Urinary	Dr. MacGowan
Medicine	Dr. Barber
Eye	Dr. Ellis
Diseases of Children	Dr. Marie Werner

WEDNESDAY—

Surgery	Dr. Wills
Ear, Nose and Throat	Dr. Babcock
Medicine	Dr. Hutchinson

THURSDAY—

Medicine	Dr. W. J. Barlow
Gynecology	Dr. Carl Kurtz
Surgery	Dr. Frank L. O'Neil

FRIDAY—

Surgery	Dr. Lasher
Medicine	Dr. Barber
Eye	Dr. Ellis
Diseases of Children	Dr. Marie Werner

SATURDAY—

Surgery	Dr. Wills
Skin and Genito-Urinary	Dr. MacGowan
Medicine	Dr. Gordon
Ear, Nose and Throat	Dr. Babcock

Alumni

1888

Charles P. Bagg
W. W. Beckett
Edward R. Bradley
Frank D. Bullard, A. M.
H. Bert Ellis, B. A.
*P. J. O'Neil
Lula Talbot Ellis
W. C. Thiele, B. S.
Anthony Z. Valle, B. S.

1889

George W. Campbell
Leslie E. Puett
T. L. Shaffner

1890

John B. Cook
Samuel M. Hitt
*Wm. G. Killebrew
Mary E. Shoemaker
Kennosuke Wada, M. D.
W. V. Whitmore, A. M.

1891

Alice M. Givens
Claire W. Murphy
George S. Murphy
Albert B. Powell

1892

Paul H. Bresee
Wallace A. Dunton
Mary E. Hagadorn
*Thomas Edward Post
Palmer R. Reynolds
*Gottfried A. Schilling

1893

J. Lee Hagadorn
Fannie Collins Hutchins
Jennie Shrode
Clarence Emery Stoner
Gertrude Taft
Lawrence N. Wheeler
Ralph Williams

1894

Robert A. Campbell
Clarence M. Haviland
Silas F. Johnson
*D. Lee Shrode
Harry Smith

1895

Iola M. Colburn
Ralph Hagan
George Augustus Hawkins
Joseph Millen King
Ida B. Parker
Samuel F. Smith, B. S.
C. Francis S. Tate
Alexander M. Tuthill
George Byron Walrath
William H. Weston

*Deceased

1896

Melvin A. Bresee
Charles Lee Caven
Wilder Dwight
Nettie E. Hammond
Wah Jean Lamb
John G. McLeod
John Lincoln Rogers
Raymond Griswold Taylor
William Todd, M. D.
Herbert N. Wales

1897

Edward J. Cook
Robert V. Day
Mary E. Donaldson, A. B.
John C. Ferbert
Alexander T. Fraser
Joseph W. Henry
Shinabu Kobayashi, M. D.
Edmond Myer Lazard
Arthur A. Libby, Jr.
Homer Rogers
*Harry C. Sherman
Edwin Legrand Vaughan
Frank L. O'Neil

1898

Titian James Coffey
*Henry Manning Cory, A. B.
Herbert Allan Johnston
John G. Mackey
Maud Aura Mackey
John A. McGarry, A. M.
Clarence W. Pierce
Edward M. Pallette, Ph. M.
Evangeline Rowe Caven
Arthur M. Smith
Curtis W. Welch
Kate Wilde

1899

Francis L. Anton
Edward H. Garrett
Joseph M. Holden
John L. Kirkpatrick
Alfred J. Murrieta
Donald W. Skeel
John H. Spence
Herbert A. Stinchfield
William H. Stearns
Zenora Griggs
Sumner J. Quint
Bim Smith
M. A. Schutz
Gaylord McCoy

1900

Max A. Becher
Marietta H. Bewley
Leslie C. Boyd
Frank S. Dillingham
John M. Dunsmoor
Nannie C. Dunsmoor
James S. Hall
Charles A. Hayes
Frederica A. Keep
John C. Kelso
George A. Laubersheimer
Melville L. Loomis
William H. Mayne
Virgil J. McCombs
T. Chalmers Myers
Frederick W. Reynolds
Albert Soiland
J. Edgar Wheat

*Deceased

Matriculates

FIRST YEAR.

Allan, J. T. M.
Barlow, H. W.
Brütsch, C.
Bledsoe, N. C., Jr.
Cowan, Mary,
Dawley, C. G.
Eikenberry, C. T.
Ferry, Frank C.
Filz, Frank J.
Foster, C. W.
Freedman, Chas.
Goodrich, E. G.
Hall, J. Harvey,
Janss, Edwin,
Jenks, C. R.
Keith, Duke,
Mathes, R. C.
Millsap, R.
McQuiston, C.
O'Hara, Thos.
Phelps, C. E.
Philp, F.
Riley, S. V.
Rooklidge, P. S.
Seymour, E. C.
Stewart, Chas. M.
Toles, J. K.
Tufts, C. R.
Wheeler, T. R.
Yerxa, C. W.
Young, S. P.

SECOND YEAR.

Armstrong, M. M.
Bonynge, C. W.
Carter, W. N.
Deering, W. E.
French, C. E.
Gowan, J. S.
Hoeh, E. O.
Leonard, E. L.
Petter, R. S.
Smith, W. S.
Salisbury, W. B.
Tanner, J. B.
Van Valkenberg, M.
Watkins, A. I.
Wilson, A. P.

THIRD YEAR.

Brown, T. F.
Chase, R. E.
Downs, A. J.
Dillon, E. T.
Findheisen, R.
Gibbs, R. S.
Godin, A. F.
Hoyt, Albert,
Johnson, A. S.
McNeil, H. G.
Molony, W. R.
Norton, F. L.
Reiche, C.
Roth, Leon J.
Stafford, O. R.
Young, C. C.

FOURTH YEAR.

Becher, M. A.
Bewley, M. H.
Boyd, L. C.
Dillingham, F. S.
Dunsmoor, J. M.
Dunsmoor, N. C.
Hall, J. S.
Hayes, C. A.
Keep, F. A.
Kelso, J. C.
Laubersheimer, G. A.
Loomis, M. L.
Mayne, W. H.
McCombs, V. J.
Myers, T. C.
Reynolds, F. W.
Soiland, A.
Wheat, J. E.

REPORT OF THE CLINICS*

OF THE

College of Medicine of the University of Southern California.

CHIEF OF CLINICS:

WM. D. BABCOCK, A. M., M. D.

MEDICAL CASES

Treated at the College Clinic, from June 1, 1899, to June 1, 1900.

INSTRUCTORS:

DR. MILBANK JOHNSON.
DR. R. HUTCHINSON.
DR. A. W. VANNEMAN.
DR. D. C. BARBER.
DR. FRANK GORDON.
DR. J. LEE HAGADORN.

Diagnosis	No. Cases	Diagnosis	No. Cases
Rheumatism, all forms,	44	Rheumatism, Gonorrhœal,	2
Piles, Internal and External,	3	Malaria,	10
Whooping Cough,	2	Asthma,	4
Cancer of Stomach,	2	Hypochondriasis,	1
Influenza,	14	Dysentery,	3
Heart Diseases, including valvular lesions & hypertrophy,	33	Diarrhœa,	10
Bronchitis and Emphysema,	80	Coryza,	4
Gastritis,	20	Pleurisy,	6
Pulmonary Tuberculosis,	59	Tape-Worm,	2
Nephritis,	10	Tubercular Laryngitis,	3
Constipation,	30	Gastric Ulcer,	1
		Painters' Colic,	1

*In this report, in all the clinics, no attention is paid to the number of times a patient returns. The report shows only so many individual applicants.

MEDICAL CASES (Continued)

Diagnosis	No. Cases	Diagnosis	No. Cases
Hysteria,	2	Hypertrophy of Liver,	1
Anæmia,	5	Endocarditis,	4
Hepatic Cirrhosis,	3	Syphilis,	14
Pharyngitis,	3	Cystitis,	5
Hepatitis,	4	Enteritis,	8
Vaginitis,	1	Laryngitis,	3
Hernia,	1	Neuralgia,	16
Herpes Zoster,	2	Intestinal Indigestion,	10
Deficient Vision,	1	Pregnancy,	3
Worms,	2	Stomatitis,	5
Vertigo,	2	Typhoid Fever,	4
Sciatica,	4	Aneurism of Aorta,	2
Pneumonia,	10	Hemiplegia,	2
Exophthalmic Goitre,	2	Ischio-Rectal Abscess,	1
Appendicitis,	4	Enuresis,	1
Insomnia,	3	Epilepsy,	5
Neurasthenia,	4	Diabetes,	5
Dyspepsia,	8	Contusions,	3
Œdema,	6	Erysipelas,	3
Synovitis,	1	Measles,	3
Tubercular Enteritis,	1	Scarlet Fever,	1
Angina Pectoris,	1	Hepatic Abscess,	1
Alcoholism,	7	Jaundice,	2
Morphinism,	2	Total Number of Cases,	525

SURGICAL CLINICS.

From June 1, 1899, to May 31, 1900.

INSTRUCTORS:

DR. GEO. W. LASHER.

Diagnosis	First Dressing	Redressed
Abscess—		
Alveolar,	1	
Axillary,	1	1
Forehead,	3	9
Breast,	1	1

DR. W. LEMOYNE WILLS.

Diagnosis	First Dressing	Redressed
Abscess—		
Cheek,	2	7
Neck,	2	3
Jaw,	1	3
Lower Extremity,	4	1

SURGICAL CASES (Continued)

Diagnosis	First Dressing	Redressed
Abscess—		
Upper Extremity,	12	22
Palmar,	4	17
Sachis-Rectal,	1	
Supra-Orbital,	1	1
Supra-Clavicular,	2	8
Scrotum,	2	
Adenitis—		
Suppurative,	1	
Arthritis—		
Wrist,	2	4
Knee,	2	3
Biliousness,	1	
Bite—		
Human,	3	13
Dog,	3	4
Insect,	5	11
Bubo—		
Inguinal,	2	
Burns—		
Face,	1	7
Upper Extremity,	15	48
Lower Extremity,	5	13
Bursites of Elbow,	1	1
Carbuncle,	3	13
Chancroid,	1	1
Clavus,	1	1
Contracture,	1	
Cyst of Sublingual Gland,	1	
Contusion—		
Upper Extremity,	10	25
Lower Extremity,	2	
Trunk,	2	
Dermatitis,	1	1
Dislocations—		
Elbow,	1	3
Hip,	1	

Diagnosis	First Dressing	Redressed
Epithelisma—		
Lower Lip,	1	
Erysipelas,	2	
Felon,	2	2
Fistula,	2	
Foreign Body—		
Finger,	2	
Hand,	1	
Fractures—		
Clavicle,	1	
Colles,	1	1
Finger,	1	
Rib,	3	1
Arm,	4	18
Leg,	2	
Furuncle,	15	18
Hæmatoma,	1	
Hemorrhoids,	2	
Hydrocele,	1	
Lymphadenitis,	3	
Myalgia,	2	
Neuritis,	4	
Non-union—		
Upper Extremity,	1	
Orchitis,	1	
Papilloma,	1	
Paralysis,	2	
Paraphimosis,	1	2
Paronychia,	1	
Phlebitis,	1	
Relaxation of ligaments,	1	
Rhus Toxicodendron,	2	
Sarcoma of Neck,	1	1
Sinus,	2	4
Split Nail,	1	1
Synovitis,	4	
Teno-synovitis,	2	1

SURGICAL CASES (Continued)

Diagnosis	First Dressing	Redressed
Sprains—		
Upper Extremity,	9	1
Lower Extremity,	7	4
Back,	3	1
Tuberculosis—		
Cheek,	1	1
Knee,	1	1
Spine,	1	7
Tumor,	1	
Ulcer—		
Arm,	3	1
Leg,	37	82
Face,	3	
Vaccination,	38	1
Varicose Veins,	4	3
Verruca,	1	
Weir,	1	
Wounds—		
Abraded,	7	7
Incised,	16	33
Infected,	50	106
Lacerated,	28	77
Gunshot,	2	
Penetrating,	1	
Punctured,	5	5
Total,	392	600

NEUROLOGICAL CLINIC.

INSTRUCTOR:

H. G. BRAINERD, A. B., M. D.

Diagnosis	No. Cases
Endarteritis Cerebral,	1
Syphilitic Endarteritis,	2
Insomnia,	2
Vertigo,	1
Neurasthenia,	4
Neuralgia, Ovarian	1
Alcoholism, Acute,	2
Circumflex Neuritis,	1
Brachial "	2
Facial "	1
Epilepsy Grand-Mal,	5
" Psychic,	1
Locomotor Ataxia,	1
Hysteria Major,	3
Transverse Myelitis, (Lumbar)	1
Hemiplegia, (Specific)	2
" with Melancholia,	1
Chorea,	1
Tumor Cerebellar,	1
Hemiplegia,	3
" Traumatic,	1
Pachymeningitis External, (spinal)	1
Cerebral Concussion,	1
" Softening from Atheroma,	1
Total,	40

CLINIC FOR GENITO-URINARY SURGERY AND SYPHILIS.

INSTRUCTORS:

GRANVILLE MACGOWAN, M. D. RALPH WILLIAMS, M. D.

Diagnosis	No. Cases	
Primary Syphilis,		
Chancres,		16
Primary and Secondary,		13
Secondary,		18
Tertiary—		
Nervous System,	1	
Osseous "	4	
Skin "	12	17
Abscess—		
Cowpers Gland,	1	
Periurethral,	2	
Scrotum,	1	4
Balanitis,		3
Bubo, Operative—		
Inflammatory,	3	
Syphilitic,	3	6
Calculus Vesical—		
Litholopaxy,	1	
Lithotomy Suprapub,	1	2
Circumcision,		12
Eneursis,		1
Epididymitis—		
Acute,	9	
Chronic,	2	11
Gangrene Male Genitals,		1
Hydrocele,		3
Masturbation, Chronia,		2
Neurasthenia Sexualis,		3
Nephrotomy,		1
Orchitis,		1
Cystoscopic examination,		6
Testicle, undescended op.		1
Cystitis, Simple,		1
Cancer—		
Lip,	1	
Penis,	1	
Prostate,	1	3

Diagnosis	No. Cases	
Cystitis, Gonorrhœal,		6
Phymosis,		5
Prostate Enlarged,		12
Bottini, op.		4
Polyurea Diabetes Insipidus,		1
Pyonephrosis,		1
Tuberculosis—		
Testicle,	1	
Penis,	1	
Urethra,	1	3
Urinary Retention—		
Catheterization,	11	
External Urethrotomy,	4	
Sufra-pubic Cystotomy,	1	16
Chancroids,		5
Urethritis—		
Acute,	35	
Chronic,	18	53
Urethra, Stricture of—		
Dilation,	5	
Internal Urethrotomy,	4	
Electrolysis Fort,	1	
External Urethrotomy,	4	14
Varicocele,		5
Vesiculitis Seminalis—		
Acute with Proctitis,	3	
Chronia Gonorrhœal,	2	5
Lymphangitis of Penis,		1
Remove Testicle,		1
Hyjosjadias, op.		1
Urethral Fistula,		1
Venereal Warts,		3
Venereal Ulcers,		1
Electrolysis—		
Mole,	1	
Wart,	1	2
Total,		263

CLINIC FOR DISEASES OF THE SKIN.

INSTRUCTORS:

GRANVILLE MACGOWAN, M. D. RALPH WILLIAMS, M. D.

Diagnosis	No. Cases		Diagnosis	No. Cases	
Class 1—Inflammations.			**Class 2—Hemorrhages.**		
Erythema Multiforme,		3	Purpura Rheumatica,		1
" Nodosum,		1	**Class 3—Hypertrophies.**		
" Simplex,		2	Icthyosis,		1
Erysipelas,		3	Verruca,		1
Eczema—			Papilloma Cutis,		1
Acute—			**Class 4—Atrophies.**		
Of Scalp,	2		Ulcer, Trophic,		1
" Face,	3		Lepra,		1
" Arms,	3		**Class 5—New Growths.**		
" Beard,	2		Epithelioma,		7
" General,	2		Rodent Ulcer,		1
" Neck,	5		**Class 6—Diseases of the Appendages of the Skin.**		
" Hand,	3		Sebaceous Glands—		
" Palm,	2		Seborrhœa Oleosa,		3
" Marginata,	1		Eczema Seborrhoicum,		3
" Scrotum,	2		Acne Disseminata,		2
" Rubrum,	2	28	Acne Rosacea,		1
Chronic,		4	Steatoma,		1
Dermatitis—			Hair Follicles—		
Calorica,	2		Sycosis,		2
Microbial,	9		Parasitic Diseases—		
Traumatica,	2		1—Vegetable.		
Venenata,	2		Tinea Fovosa,		2
Herpetiformis,	2		" Trichopytina,		2
Rhus Tox,	3		" Circinata,		1
X Ray,	2		" Tonsuraus,		6
Orange Scale,	1	24	" Barbæ,		1
Carbuncle,		2	" Versicolar,		2
Furuncle,		5	Oidium Albicans,		1
Impetigo Contagiosa,		5	Pinta,		1
Psoriasis,		3	2—Animal.		
Lic Planus,		1	Scabies,		4
Herpes Progenitalis,		1	Phtheiriasis Capitis,		2
" Labialis,		1	" Pubis,		1
" Zoster,		2	" Corporis,		11
Urticaria, Acute,		4	Total,		150
Vaccinia,		10			
Measles,		3			

CLINIC FOR DISEASES OF CHILDREN.

INSTRUCTOR:

DR. MARIE B. WERNER.

Diagnosis	No. Cases
Adenoids, (post nasal space)	2
Anæmia,	5
Biliary Colic, (with Bronchial congest)	4
Biliousness,	5
Bronchitis, (acute)	6
" (chronic)	12
Broncho-Pneumonia,	6
Carcinoma, R. Kidney,	1
Chorea,	1
Congestion of Lungs, (acute)	1
Constipation, (chronic)	10
Coryza, (acute)	2
Coxalgia,	1
Curvature of Spine, (due to faulty development of muscles of back)	6
Diarrhœa,	2
Dilated Stomach,	4
Dislocation of Ulna, (Fluoroscopic)	1
Dysphagia,	2
Eczema Seborrhoica,	2
Emphysema,	2
Epilepsy,	2
Fabricular,	1
Foramen, (ovale patent)	1
Gastro-Enteritis, (acute)	9
Gastro-Enteritis,	4
Hemorrhoids,	3
Heart, dilated,	4
" hypertrophied,	2
" valvular lesians,	1
" irregular,	5
Indigestion, (acute)	11
" (chronic)	6
Insomnia,	3
Intestinal obstruction,	1
Lumbricoides,	2
Measles,	2
Nephritis sequelæ o Scarlet Fever,	7
Oxyures, vermiculares,	7
Pleurisy,	2
Potts Disease,	1
Phimosis,	3
Rachitis,	2
Scabies,	3
Seborrhœa Capitis,	1
Separation of Recto-Muscles,	1
Stomatis Catarrhal,	2
Syphilis Congenital,	8
Tænia, Annularis,	4
" Farosa Capitis,	2
Teething, painful,	8
Teno-Synovitis,	1
Tongue-Tied,	3
Tonsilitis,	12
Tuberculosis—	
Glands Cervical,	5
Inguinal,	3
Lung Apical,	7
" Chronic,	6
Ulcers,	3
Urticaria,	1
Varicella,	2
Varicose Veins,	1
Whooping Cough,	18
Total,	240

OPHTHALMIC CLINIC.

July, 1899, to July, 1900.

INSTRUCTOR:

H. BERT ELLIS, M. D.

Total number of patients treated,	241
Total number of visits,	537
Average number of visits for each patient,	2.23

Diagnosis	No. Cases	
1. Affections of the Lids—		
Symblepharon,	1	
Blepharitis marginalis,	12	
Hordeolum,	4	
Entropion,	2	
Ectropion,	4	
Chalazion,	3	
Distichiasis,	3	
Abscess superorbital,	2	
Dermiod cyst lower lid,	1	
Eczema,	4	36
2. Affections of the Lachrymal Apparatus—		
Dacryo-crystitis,	1	
Lachrymal stricture,	8	9
3. Affections of the Conjunctiva—		
Chemosis,	1	
Conjunctivitis, follicular,	1	
" symblepharon,		
" chronic catarrhal,	46	
" acute "	14	
" vernal "	1	
" phlyctenular,	10	
" purulent,	3	
" hemorrhagic,	4	
Tracoma,	6	
Polypi and cyst,	1	
Foreign bodies,	4	
Pterygium,	10	
Pinguecula,	1	102

Diagnosis	No. Cases	
4. Affections of the Cornea—		
Keratitis, ulcerative,	18	
" interstitial,	8	
" phlyctenular,	6	
" vascular (pannus)	3	
" traumatic,	1	
Anterior stephyloma,	1	
Corneal tumor,	1	
Foreign body in cornea,	2	40
5. Affections of the Lens—		
Cataract, congenital,	2	
" mature, hard,	6	
" " soft,	4	
" incipient,	8	
" pyramidal,	5	
" traumatic,	1	
Dislocation of Lens,	1	27
6. Affections of the Iris and Choroid—		
Iritis, traumatic,	1	
" syphilitic,		
" rheumatic,		
Choroditis,	3	
Occluded pupil,	1	
Iris, cyst of	1	6
7. Affections of Vitreous—		
Opacities,		
Degeneration,	1	1
8. Glaucoma—		
Glaucoma, chronic,	1	1

OPHTHALMIC CLINIC (Continued)

Diagnosis	No. Cases	
9. Affections of Retina and Optic Nerve—		
Optic neuritis,	1	
" atrophy,	6	
Retinitis, hemorrhagic,	1	8
10. Affections of Eyeball—		
Phthisis, bulbi,	1	1
11. Affections of Muscles—		
Strabismus, internal,	4	
" external,		
Paralysis, external rectus,	1	5
12. Anomalies of Refraction—		
Astigmatism, mixed,	1	
" hyperopic,	10	
" compound "	11	
" myopic,	2	
" compound myopic,	1	
Hyperopia,	11	
Presbyopia,	10	
Myopia,	2	48
Operations—		
Cataract,	6	
Enucleations,	5	
Tracoma, rolling,	2	
Chalazia,	7	
Removal conjunctival cyst,	1	
Iridectomy,	1	
External canthotomy,	1	
Trichiasis,	1	
Dermoid cyst, lower lid,	2	26

EAR, NOSE AND THROAT.

INSTRUCTOR:

WM. D. BABCOCK, M. D.

Diagnosis	No. Cases	Diagnosis	No. Cases
Tonsilitis,	6	Deviated Septum,	10
" Chronic,	5	Papilloma of Septum,	2
Enlarged Tonsils,	7	Perf. Septum,	2
Specific Tonsilitis,	3	Globus Hystericus,	3
Peritonsilar Abscess,	4	Ruptured Tympanum,	3
Follicular Tonsilitis,	7	Perforated "	10
Adenoid,	29	Furunculus Ext. Meatus,	3
Atrophic Rhinitis,	22	Tuberculosis " "	1
Hypertrophic "	10	Eczema of Meatus,	5
Chronic "	18	Laryngeal Phthisis,	30
Enlarged Uvula,	2	Ozæna,	17
Spec. Ulceration Pharynx,	4	Impacted Cerumen,	20
Post-Nasal Abscess,	1	Sub-Acute Laryngitis,	10

EAR, NOSE AND THROAT (Continued)

Diagnosis	No. Cases	Diagnosis	No. Cases
Chronic Pharyngitis,	12	Sub-Acute Otitis Media,	6
Sub-Acute "	4	Chron. Purulent Otitis Media,	30
Spec. "	9	Acute Myringitis,	1
Acute "	2	Fusculus of Vestibule,	2
Granular "	20	Paralysis Vocal Chord,	4
Chronic Otitis Media,	26	Nasal Hydorrhœa,	2
Spec. " "	3	Spec. Ulcer Nose,	4
Acute " "	7	Errosion Vestibule of Nose,	2
Supp. " "	18	Total,	388
" Tuberc. Otitis Media,	4		

COUNTY HOSPITAL CLINICS.

From June, 1899, to June, 1900.

INSTRUCTORS:

E. A. BRYANT, M. D. A. M. SMITH, M. D.

MEDICAL.

Diagnosis	No. Cases	Diagnosis	No. Cases
Special Infectious Diseases.		Rheumatism, Muscular,	16
Typhoid Fever,	61	Arthritis Deformans,	2
Measles,	2	Gout,	1
Influenza,	4	Diabetes Mellitus,	3
Diphtheria,	8	" Insipidus,	1
Erysipelas,	9	Diseases of Digestive System.	
Dysentery,	5	Mouth—	
Malarial Fever,	14	Stomatitis,	1
Leprosy,	1	Cancrum Oris,	1
Pulmonary Tuberculosis,	139	Œsophagus, Stricture,	1
Tetanus,	2	Stomach—	
Scarlet Fever,	2	Acute Gastritis,	7
Febricula,	3	Alcoholic "	6
Constitutional Diseases.		Chronic "	6
Rheumatism, Ac. Art.	15	Dyspepsia,	10
" Sub-Acute.	16	Cancer,	8
" Ac. Gonorrhœal,	5	Hemorrhage,	2

HOSPITAL MEDICAL CLINIC (Continued)

Diagnosis	No. Cases
Intestines—	
Catarrhal Enteritis,	1
Diarrhœa, Acute,	3
" Chronic,	8
Colitis,	1
Constipation,	8
Colic,	1
Gastro-Enteritis,	1
Mucus Colitis,	3
Impacted Fæces,	2
Liver—	
Catarrhal Jaundice,	2
Cholitithiasis,	2
Hepatic Cirrhosis,	3
" Abscess,	2
" Colic,	1
Hepatitis,	1
Cancer,	4
Peritoneum—	
Acute General Peritonitis,	5
Tubercular "	1
Ascites,	3
Diseases of Respiratory Organs.	
Nose, Epistaxis,	1
Larynx—	
Tubercular,	10
Syphilitic,	4
Bronchi—	
Acute Bronchitis,	18
Chronic "	4
Bronchial Asthma,	4
Cardiac "	12
Lungs—	
Lobar Pneumonia,	15
Broncho "	7
Emphysema,	2

Diagnosis	No Cases
Pleura—	
Acute Fibrinous Pleurisy,	4
Empyemia,	2
Tubercular Pleuritis,	1
Pleurisy with Effusion,	4
Diseases of Circulatory System.	
Pericardium—	
Acute Pericarditis,	2
Heart—	
Acute Endocarditis,	1
Chronic "	2
Mitral Incompetency,	20
" Stenosis,	4
Tricuspid Incompetency,	2
Costic Stenosis,	4
Acute Dilitation,	1
Arrhythmia,	3
Hypertrophy,	1
Cardiac Dropsy,	8
Arteries, Aneurism Arch Aorta,	1
Veins, Varicose,	3
Diseases of Blood and Ductless Glands.	
Enlarged Thyroid,	
Diseases of Kidneys.	
Acute Congestion,	2
Uræmia,	4
Acute Interstitial Nephritis,	5
Chronic Parenchymatous "	3
" Interstitial,	12
Cancer,	1
Diseases of Nervous System.	
Intercostal Neuralgia,	1
Facial "	1
Sciatica,	2
Neuritis,	6
Tic Douleureux,	1

HOSPITAL MEDICAL CLINIC (Continued)

Diagnosis	No. Cases
Locomotor Ataxia,	4
Chorea,	3
Spastic Paralysis,	2
Agitans "	1
Transverse Myelitis,	3
Hysteria,	5
Melancholia,	1
Hemiplegia,	17
Paraplegia,	8
Epilepsy,	10
Cerebral Hæm.	6
Tumor, Brain,	2
Concussion,	1
Multiple Sclerosis,	1
Progressive Muscular Atrophy,	1
Paresis,	5
Neurasthenia,	5
Aphasia,	2
Dementia,	2
Intoxication.	
Alcoholism, Acute,	50
" D. T's., Chronic,	21
Morphinism,	9
Chloroform,	1
Opium Poisoning,	2
Skin Diseases.	
Duhrings Disease,	2
Scabies,	2
Eczema, Acute,	4
" Chronic,	6
Erythema,	2
Icthyosis,	2
Pustulo Vesicula Eczema,	1
Psoriasis,	2
Tinea, Circinata,	2
Rhus Toxicodendron,	1
Tinea, Barbarai,	2
Lupus,	1
Pediculosis, Corporis,	3
" Pubis,	2
" Capitis,	1
Miscellaneous.	
Not Diagnosed,	2
Senile Debility,	10
Inanition,	1
Hiccough,	1
Insanity,	135
Lipoma Multiple,	1
"X Ray" Burn,	1
Total,	918

SURGERY.

Diagnosis	No. Cases
Neck and Head—	
Abscess, Cervical,	1
" Face,	2
" Jaw,	3
Carcenoma Neck,	1
Carbuncle, "	2
Contusion Head,	10
Epithelioma of Lip,	2
Neck and Head—	
Tubercular Parotid,	1
Peridural Hæm.	1
Cellulitis Scalp,	1
Hare Lip,	2
Cleft Palate,	1
Necrosis Sup. Max,	1
Lupus Lip,	1

HOSPITAL SURGICAL CLINIC (Continued)

Diagnosis	No. Cases
Neck and Head—	
Sup. Sub. Max. Gland,	2
Sub. Luxation 2nd Cervical Vert.,	1
Fracture—Skull,	3
Inf. Max.,	2
Wounds—Incised,	6
Infected,	2
Lacerated,	3
Gunshot,	5
Upper Extremity—	
Amputation—Hand,	1
Arm,	3
Abscess—Arm,	1
Axilla,	1
Palmar,	2
Burns—Face,	1
Arms,	2
Hands and Fingers,	2
Excision Elbow,	1
Cellulitis,	2
Contusions,	4
Dislocations—Humerus,	7
Wrist,	2
Fingers,	2
Felon,	1
Fractures—Radius,	2
Both,	4
Humerus,	5
Clavicle,	4
Jaw,	2
Thumb,	1
Sprain—Wrist,	4
Fingers,	2
Wounds—Infected,	13
Stabs,	2
Gunshot,	1
Necrosis—Radius,	1
Shoulder,	1
Chest and Back—	
Burn Back,	1
Carbuncle Back,	2
Abscess "	3
Contusion Rib,	1
Resection "	2
Fracture,	6
Contusion Shoulder,	2
" Back,	3
Strain Back,	5
Gunshot Wound Back,	1
Sup. Mastitis,	4
Tumor Back,	1
Abdomen and Pelvis—	
Abscess Liver,	2
" Ischio Rectal,	8
Fistula in Ano,	11
Hæmorrhoids, Internal,	2
" External,	8
Abscess Perineum,	1
Proctitis,	1
Fracture Pelvis,	1
Tubercular Glands, R. Groin,	1
" Ulcer, Rectum,	1
Hernia—Ing. { 1 Unilateral,	5
{ 2 Bilateral,	3
Fem.,	3
Strangulated,	2
Appendicitis, Catarrhal,	7
" Pus,	8
Ventral Hernia,	4
Lacerated Wounds, Perineum,	1
Lower Extremity—	
Abscess, Leg,	1
Ankylosis Knee,	3
" Ankle,	1

HOSPITAL SURGICAL CLINIC (Continued)

Diagnosis	No. Cases
Burn, Leg,	1
" Foot,	2
Amputation—Femur,	4
Toe,	1
Leg,	6
Bursitis,	2
Bunions,	2
Contusions—Knee,	7
Hip,	2
Foot,	1
Dislocations—Tibia,	1
Hip,	1
Frozen Feet,	1
Fractures—Femur,	14
Tibia,	9
Fibula,	3
Both,	8
Patella,	3
Condyles,	4
Infection—Leg,	2
Foot,	5
Toe,	4
Gangrene, Foot,	1
Necrosis—Femur Head,	7
Tibia,	8
Ankle,	2
Sprain, Ankle,	9
Synovitis Knee—Tubercular,	5
Traumatic,	4
Ulcers—Varicose,	28
Syphilitic,	6
Wounds—Infected,	5
Lacerated Ankle,	5
Contused,	4
Stab,	1
Gunshot,	2
Total,	302

OBSTETRICS AND GYNECOLOGY.

Diagnosis	No. Cases
Abscess Ovary,	2
Abortions,	7
Amenorrhœa,	2
Anæmia,	2
Bubo,	2
Cancer Cervix,	4
Caruncle Urethra,	1
Chancre Vulva,	3
Cervicitis,	4
Cystitis,	4
Cystocele,	3
Cancer, Ovary,	2
Cysts, Ovary,	5
" Dermoid Ovary,	1
Antiflexion Uterus,	10
Retroflexion "	8
Endometritis,	31
Fibroid Uterus,	7
Gonorrhœa,	3
Hæmorrhoids,	5
Lacerated Cervix,	27
" Perineum,	11
Oapharitis,	9
Pyosalpinx,	9

OBSTETRICS AND GYNECOLOGY (Continued

Diagnosis	No. Cases
Pelvic Cellulitis,	3
" Abscess,	2
Recto-Vag. Fistula,	1
Rectocele,	4
Salpingitis,	8
Syphilis,	10
Vaginitis,	2
Sub-involution,	1
Urethritis,	1
Hæmorrhagia,	2
Perimetritis,	1
Leucorrhœa,	8
Dysmenorrhœa,	4
Septic Uterus,	1
Puerperal Fever,	3
Normal Labor,	18
Forceps,	2
Post Partum Hæm.,	2
Version,	1
Ophthal Neon,	1
Operations—	
Hysterectomy Abdominal,	8
" Vaginal,	4
Ovariotomy,	12
Trachelorraphy,	27
Perineorraphy,	9
Amputation Cervix,	3
Anterior Calporrphy,	1
Curettement,	31
Labial Abscess,	2
Recto-Vaginal Fistula,	1
Ventral Hernia,	3
Cancer Breast,	3
Prolapsus Uteri,	1
Total,	332

EYE, EAR, NOSE AND THROAT.

Diagnosis	No. Cases
Cataract,	9
Chalazion,	2
Conjunctivitis, Catarrhal,	7
" Gonorrhœal,	1
" Trachomatous,	2
Entropion,	1
Enucleation of Eye,	2
Trachoma,	6
Pterygium,	1
Corneal Ulcer,	3
Iritis, Simple,	1
" Syph.,	1
Keroto-Iritis,	1
Optic Atrophy,	1
Stricture, Nasal Duct,	1
Otitis Media,	1
Tonsilitis, Specific,	2
" Follicular,	4
" Hyper,	2
Peri-Tonsil Abscess,	1
Adenoid,	3
Laryngitis, Acute,	2
" Specific,	3
" Tubercular,	7
Ozena,	1
Inspissated Cerumen,	2
Mastoiditis,	1
Total,	68

GENITO-URINARY.

Diagnosis	No. Cases
Albuminuria,	1
Bubo—Syphilitic,	3
Gonorrhœal,	5
Suppurating,	4
Calculus Bladder,	4
Chancre,	10
Chancroid,	4
Cystitis—Acute,	8
Chronic,	4
Hæm.,	1
Enucleation Testes,	1
Epididymitis,	14
Gonorrhœa,	6
Circumcision,	8
Hydrocele -Lateral,	6
Double,	2
Hypospadia Cong.	1
Hypochondriasis Sexual,	2
Orchitis Acute Specific,	6
Traumatic,	1
Epithelioma Penis,	1
Perineo-Scrotal Fistula,	1
Peri-Urethral Abscess,	1
Prostatitis, Acute,	2
Enlarged Prostate,	9
Phimosis,	1
Paraphimosis,	1
Syphilis—Primary,	5
Second,	3
Third,	16
Scrotum Fistula,	1
Spermatorrhœa,	1
Urethritis, Simple,	2
Post-Chr.	2
Urethral Stricture,	18
Visiculitis, Seminal,	2
Varicocele,	10
Lupus, Penis,	1
Total,	168

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II, No. 2 March, 1908

The Bulletin

OF THE

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OF

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College of Medicine

Circular of Information

Twenty-fourth Annual Session, 1908-1909

LOS ANGELES, CALIFORNIA
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COLLEGE OF MEDICINE, U. S. C.

Circular of Information.

FORE-WORD.

This circular is printed to answer some of the questions arising to those who are contemplating a professional education and who may on that account be interested in a brief consideration of the profession of medicine.

* * *

WHY THE PROFESSION OF MEDICINE?

From the most remote times, and in all the gradations of different cultures and civilizations, the practitioners of the healing art have been held in the highest esteem by their fellows. This respect has been granted because of the work of the medical profession in the alleviation of suffering and pain and because of its unselfish labors to diminish disease and so lessen the ravages of death.

It is unfortunate that the faults of our civilization and the mode of life adopted by man are such that it will not be possible to eradicate all disease in the immediate future. This being the case, the world will continue to need doctors. Only today, better trained doctors are demanded than ever before. For the medical profession has taught the laity, to insist that high educational and professional qualifications should be possessed by those who hold themselves before the public as being competent to treat injury and disease.

The material rewards to the well trained and faithful physician are by no means small and to the person interested in the investigation of the marvelous phenomena spoken of as life, and who is willing to work faithfully, observantly and conscientiously, the compensation in esteem and financial return from the public will not be wanting. In medicine as in other professions, faithful work and clear thinking, coupled with the cultivation of the powers of observation and the application of acquired knowledge, will bring ample reward to the courteous practitioner.

The profession is one open to both men and women. While the recent high-school graduate has the advantage of the older person in that more time can be spent on post-graduate and hospital work, the latter is compensated by the fact that more mature years aid

greatly in the acquisition and application of practical knowledge. Neither sex nor years, therefore, need be an obstacle.

* * *

THE CHOICE OF A MEDICAL SCHOOL.

The profession of medicine being decided upon, the next question to arise, is the choice of the school.

Among the elements to be considered in this connection are the following:

1. The school itself, i. e., its equipment, facilities, faculty, curriculum, standards and so on.

2. The location of the school, i. e., whether located in a city offering clinical advantages, the character, civic standards and culture of the population, the climate and economic environment.

3. The opportunities of the region to the recent graduate, i. e., the opportunity to obtain a hospital interneship and the chances of success in private practice.

In what follows, some of the advantages of Southern California, Los Angeles, and the College of Medicine, U. S. C., in regard to the above, will be presented.

* * *

THE GREAT SOUTHWEST.

Few, if any, sections of the United States present such a wonderful variety and riches of soil and climate as does the Great Southwest, especially that portion of which Southern California is a type. The unexcelled climate has been the lodestone to draw thousands and thousands of eastern citizens to this region. But the Great Southwest has other resources than climate. Its gold, silver, copper and other mines, its wonderful agricultural possibilities, its wealth in oil, its commerce, and the growing manufacturing interests—these material and industrial activities, while approximating an annual valuation of millions and millions of dollars, are but in their infancy.

Lack of space in this circular prevents a detailed consideration of Southern California's wealth and possibilities. Those who are interested may obtain a perfect wealth of interesting information and knowledge by sending eight cents in stamps to the Information Bureau of the Los Angeles Chamber of Commerce, with a request that in return a copy of the Midwinter Number of the Los Angeles Times be sent. This number is a magnificently illustrated magazine of more than 178 pages (each 12x18) and gives a most excellent presentation of what the Great Southwest is and will be.

THE CITY OF LOS ANGELES.

"El Pueblo de Neustra Señora Reina de Los Angeles," as the Mission Fathers christened Los Angeles, was founded in 1781 and has had a most varied and picturesque history. Its most phenomenal growth, however, has been the product of the last two decades. Its increase in population is typical of its development along other lines. In 1890 the U. S. census showed a population of fifty thousand. In 1900 this number had increased to one hundred and two thousand. So phenomenal has been the growth since that time that the U. S. Census Bureau has given up all attempt to calculate the increase by the rules laid down for the growth of the other cities of the Union. A conservative estimate based on the school, the directory, the water department and the health office statistics, shows a population of 300,000 persons, and this is by no means the limit of growth of this wonderful municipality.

The people of Los Angeles are largely made up of the best type of citizenship of other States in the Union, for Southern California has attracted its inhabitants from every section of the country. The people as a class have high civic ideals, and high standards pervade the social life of the community.

A post-card addressed to the Information Bureau of the Los Angeles Chamber of Commerce for literature concerning Los Angeles, will bring a handsomely illustrated 84-page booklet with maps and information that cannot fail to be a revelation to those who have not had the experience of "a trip to California."

* * *

THE UNIVERSITY OF SOUTHERN CALIFORNIA.

Founded in 1880, this institution has grown until it now includes nine different colleges and has an enrollment of more than 1,400 students. Its nine departments include the Colleges of Liberal Arts, Medicine, Law, Dentistry, Pharmacy, Theology, Music, Oratory and Fine Arts, and a copy of the catalog of any of these departments will be sent on application to the President of the University or the Secretary of the particular College. The individual catalogs give explicit information regarding the opportunities offered in the different specialties.

* * *

THE COLLEGE OF MEDICINE, U. S. C.

History.—The medical department of the University was established in 1885. It was the fourth medical college in the

United States to establish a three-year course and was among the first to inaugurate a four-year curriculum. At the present time graduation from a high school having a four-year course is required for admission, but after January 1st, 1910, a year at college devoted to physics, chemistry, biology and at least one modern language, preferably German, will be required in addition to the above.

The College of Medicine, U. S. C., is a member of the Association of American Medical Colleges and maintains a curriculum in accord with the standards of that Association, which standard also is required of those who would take the examination of the California State Board of Medical Examiners and so be permitted to practice in California.

Equipment and Facilities.—This College has the use of four large buildings in which is carried on its didactic and laboratory work. . . . The Founders' Building is the home of the amphitheatres and lecture rooms and of the laboratories of chemistry, anatomy, physiology and pharmacology. . . . The Hendryx Laboratory houses the pathological, histological and bacteriological laboratories. . . . In the Dispensary Building are held the daily clinics. . . . The Barlow Medical Library, located across the street from Founders' Building, was presented to the medical profession of Los Angeles and vicinity and is the most substantial structure of its kind west of the Mississippi River.

The interior equipment of these buildings is ample and includes the most modern type of apparatus.

The clinical facilities are unusually good. The Dispensary is located in the heart of the older portion of the city and receives almost an overabundance of material from the Mexican and foreign population. Hospital teaching is carried on mainly at the Los Angeles County and City Hospital, an institution of over 300 beds, to the interne service of which the graduates of this College are eligible.

Faculty.—The faculty includes the names of some of the most prominent practitioners of the Southwest, many of whom have had years of experience as teachers. The members of the teaching staff who have charge of the fundamental branches of the first two years are salaried and give almost their entire time to the work.

Courses.—Regular, special, post-graduate and quiz courses are offered in medicine. In addition, courses for the combined de-

grees of A. B. and M. D. and A. M. and M. D. are offered by the University. The various courses are considered in detail in the catalog of the College of Medicine, which will be sent on application.

The regular course covers four years of eight months each and is modeled after the 4000-hour standard course recommended by the Association of American Medical Colleges, of which Association, as before stated, this College is a member.

Requirements for Admission.—The minimum requirement for admission is graduation from a high school having a four-year course. Students who do not have a diploma from such a school or college must take an examination to test whether they have an equivalent education. The subjects of examination and other information in connection therewith are considered in detail in the catalog.

Requirements for Advanced Standing.—Students who have satisfactorily completed at least 8-month courses in other medical colleges will be allowed to enter such classes in this College as they would be entitled to enter in those from which they come, provided that variations in the curriculum be arranged.

Graduates of four-year course homeopathic or eclectic colleges, will be eligible to entrance to the fourth-year class of this College, provided other conditions are satisfactory.

Subject credits only can be given for degrees in pharmacy and dentistry. Additional information is contained in the catalog, or will be sent on application to the Secretary.

Fees.—The tuition of this College is $130.00 per year when paid in advance, otherwise $140.00. The matriculation fee is $5.00 (payable but once) and the breakage deposit (returnable less charges) is $10.00. There are no other fees.

Miscellaneous.—Information concerning Los Angeles, the cost of living, etc., may be obtained from the Los Angeles Chamber of Commerce publications previously noted. In a general way, board is as cheap in Los Angeles as any other American city, the expense depending largely on the tastes of the student.

It will be to the advantage of all who contemplate a professional education to send for the literature mentioned in this circular.

A medical education obtained in a high standard college, at a moderate expense, with trip to California included and residence

in California during the college course—these are a combination of experiences worthy of investigation.

The Southern Pacific, the Santa Fe and the Salt Lake railroads all offer special rates for nine months' tickets. Tourists' rates to California are usually offered in the Fall from all eastern points and in June and July, special rates are usually given to eastern cities. A request for rates, etc., addressed to the Chicago offices of these railroads will bring explicit information.

The street address of the College of Medicine, U. S. C., is 737 Buena Vista Street, Los Angeles. Yellow Garvanza and Griffin-avenue cars going north on Main Street stop in front of the College.

The next session will begin on October 1, 1908.

For additional information address the Secretary.

DR. W. JARVIS BARLOW,
Dean,
616 Security Building,
Los Angeles, California.

DR. GEORGE H. KRESS,
Secretary,
737 Buena Vista Street,
Los Angeles, California.

Detach along this line

This form can be used in sending for the Catalog

Dr. GEORGE H. KRESS,
Secretary College of Medicine, U. S. C.,
737 Buena Vista Street, Los Angeles, Cal.

DEAR SIR:

Kindly send me a catalogue of the College of Medicine of the University of Southern California.

Very truly,

Name _____

Street or City Address _____

State _____

ONE OF THE CHEMICAL LABORATORIES IN FOUNDERS BUILDING
COLLEGE OF MEDICINE, U. S. C.

A RESEARCH LABORATORY IN PATHOLOGY IN HENDRYX BUILDING
COLLEGE OF MEDICINE, U S. C.

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INTERIOR OF BARLOW MEDICAL LIBRARY
COLLEGE OF MEDICINE, U. S. C.

SURGICAL CLINIC ROOMS IN DISPENSARY BUILDING
COLLEGE OF MEDICINE, U. S. C.

Write for the Catalog

A trip to Southern California, combined with an education in a high-standard institution.——Are not these experiences worthy of investigation?——A request for a catalog will bring detailed information.

THE UNIVERSITY OF SOUTHERN CALIFORNIA

The University of Southern California was founded in 1880. It includes the following colleges each of which has a distinct faculty of instruction.

Catalogues of the different departments may be obtained by addressing the respective deans or secretaries.

Roster of Departments.

The College of Liberal Arts.
36th Street and Wesley Avenue.
George F. Bovard, A.M., D.D., President.
Roy E. Schulz, A.B., Secretary.

The College of Medicine.
737 Buena Vista Street.
W. Jarvis Barlow, A.B., M.D., Dean.
George H. Kress, B.S., M.D., Secretary.

The College of Dentistry.
Fifth and Wall Streets.
Lewis E. Ford, D.D.S., Dean.
William Bebb, D.D.S., Secretary.

The College of Pharmacy.
36th Street and Wesley Avenue.
Walter T. Taylor, Ph., G., Dean.
L. N. Brunswig, Ph, G., Secretary.

The College of Law.
Rindge Bldg., 3d and Broadway.
Frank M. Porter, A.B., LL.B., Dean.
W. T. Craig, A.B., Secretary.

The Post-Graduate School.
737 Buena Vista Street.
W. Jarvis Barlow, A.B., M.D., President.
W. W. Richardson, M.D., Secretary.

The College of Music.
Walter F. Skeele, A.B., Dean.

The College of Oratory.
B. Wright, A.B., Dean.

The College of Fine Arts.
Wm. L. Judson, A.B., Dean, Garvanza.

View of the San Gabriel Valley, from Mount Lowe Railway, Los Angeles County. This unique cable incline and electric road carries the visitor, at midwinter, within a couple of hours, from roses and oranges to snow, through forests of pine.

San Gabriel Mission (founded 1771) seven miles from Los Angeles and four miles from Pasadena. Reached by electric or steam railroad, or carriage. Services are still held regularly in this well-preserved old church every Sunday.

Write for the Catalog

The Bay of Avalon, at Catalina Island, twenty-five miles from the mainland, and reached in about three hours from Los Angeles, by railroad and steamship. A popular and romantic island resort of world-wide fame.

Scene at the Cawston Ostrich Farm at South Pasadena, Los Angeles County. Nearly 100 birds are kept here, in all stages of growth. The machine in the background is a sun motor of local invention, for which great things are predicted.

Write for the Catalog

LOS ANGELES*

The Tourists' Winter and Summer Resort, The Homeseekers' Paradise and The Progressive City of The Twentieth Century.

Area.

Sixty-one square miles; average elevation, 270 feet; population, 300,000; assessed valuation, city $268,728,282.

Agricultural Interests.

Figures For 1906-7. For the Past Year, Showing Some of the Products of the Territory Surrounding Los Angeles.

Citrus fruits, 30,000 carloads; vegetables—celery, 3000 carloads; cabbage, 500 carloads; cauliflower, 350 carloads; nuts, 7500 tons; raisins and dried fruits, 430 carloads; butter, 5,000,000 lbs.; cheese, 750,000 lbs.; eggs, 70,000 cases; flour, 400,000 bbls.; canned goods, 1100 carloads; olives, pickled, 2,000,000 gals.; olive oil, 200,000 gals.; beet sugar, 69,343,100 lbs.; wine and brandy, 1,200,000 gals.; beer, 210,000 bbls.; petroleum, 30,000,000 bbls.; beans, 30,000 tons. Total valuation including manufactured products, $110,000,000.

Banks.

Commercial and Savings, 46; total capital and surplus, $19,411,330; deposits, $83,117,380. Clearances for 1907, $581,870,627. Banks carry 40 per cent Legal Reserve.

Building Permits.

For the year 1907, 7584; cost $13,275,940. Los Angeles still leading all cities of its size and many that are much larger. Ranks eighth for 1907 among the cities of the United States. Buildings by the mile! 28 miles of new buildings erected in Los Angeles in the past year.

Car Service.

One of the best, if not THE BEST, electric systems, urban and interurban, in the world.

Street cars all electric, five systems, 175 miles of track, city lines; interurban lines, 676 miles; number of men employed living in the city, 3000. For pay-rolls and construction crews the companies distribute in Los Angeles $150,000 a month.

Chamber of Commerce.

Membership, 2435; Largest in the World.

Churches.

All denominations, 200.

Climate.

Not Excelled Anywhere.

Fire Protection.

Steam engines, 16; chemical engines, 1; hook and ladder, 3; hose wagon and combination chemicals, 22; 1 tower wagon; hydrants, 750.

Growth.

Population, 1893, 55,000; 1900, 102,479; 1907, 300,000; postoffice stamp sales, 1907, $1,039,547; increase of 22 per cent over 1906. Los Angeles leads all cities of the country in increase of postal business.

*These statistics compiled by the Los Angeles Chamber of Commerce.

Hotels.

Best hotel accommodations in the country. Family hotels and lodging houses in all quarters of the city. Can take care of 60,000 people.

Library.

Volumes in Public Library, 105,372; home circulation, 584,466; circulation per volume, 5.6 (third in U. S.). Besides, there are 22 other libraries in the city with 97,643 volumes.

Manufacturing Interests.

Manufacturing establishments of all kinds in the city, 1700; workmen employed, 12,000. The value of manufactured products in Los Angeles for 1900, according to the United States census of that year, was $21,297,537; for 1907, estimated over $55,000,000. Cost of living same as in middle west.

Public Utilities.

Electric companies supplying light and power, 3; gas, 3. Electric power, $17 to $40 per H. P. per year. Gas, 80c per 1000 feet. Electricity, 11c per kilowatt hour. Petroleum, $1.00 per bbl.

Parks.

Public parks, 16; acreage, 3720; one of over 3000 acres, being the largest municipal park in the world.

Trans-Continental Railroads.

Southern Pacific System; Santa Fe System; San Pedro, Los Angeles and Salt Lake Railroad. Number of men employed residing in city and vicinity, 4800. For pay-rolls and construction crews the steam railroads distribute in and around Los Angeles nearly $600,000 a month.

Telephones.

Telephone companies, 2; subscribers, 60,000. This is equivalent to one telephone for every five men, women and children in the city, or one for almost every family, placing Los Angeles, in this respect, far ahead of all other cities in the world.

Theaters.

Theaters, 13; amusement parks, 2.

Tax Rate.

City, $1.25; County, $1.10. Assessed Valuation of County, $364,000,453. Indebtedness only $78,000.

Schools.

Public school buildings, including State Normal, 81; teachers employed, 1080; school children, enrolled, 39,352; miscellaneous private schools and colleges, 35. The Polytechnic High School is equal to the best in the United States. The University of Southern California has nine departments and more than 1400 students.

Water.

Abundant supply; owned by the city; 15c per 1000 gallons. City is building a 220 mile aqueduct which will bring water for city and country comsumption and irrigation, as well as develop electrical energy of immense value.

Street scene, Los Angeles. This view, which is taken from the Courthouse, looking south, gives a good general idea of the business section of Los Angeles. The principal street in the picture is Broadway.

A typical Southern California semi-tropic scene. Such views as these are common in Southern California, where all that nature asks to make a paradise is water and a little regular care. The humblest cottage may have a beautiful yard.

Write for the Catalog

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1909/10

UNIVERSITY OF SOUTHERN CALIFORNIA

Volume IV Bulletin Number 5

COLLEGE
of
PHYSICIANS *and* SURGEONS

Medical Department

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ANNOUNCEMENTS *for* 1909-1910

NOVEMBER 1909
PUBLISHED BY THE UNIVERSITY
LOS ANGELES

UNIVERSITY OF SOUTHERN CALIFORNIA

COLLEGE
of
PHYSICIANS *and* SURGEONS

ANNOUNCEMENTS *for* 1909-1910

NOVEMBER 1909

Published by the University
Entered as second-class matter under the Act of Congress, July 16, 1894
Los Angeles, California

PRESS OF JESSE RAY MILLER
LOS ANGELES

The College of
Physicians and Surgeons

College Clinic
Operating Room

The Main
Lecture Amphitheatre

The Anatomical
Operating Amphitheatre

THE UNIVERSITY

The University of Southern California was founded in 1879, and was formally opened for students in October, 1880. It includes the following colleges, each of which has a distinct faculty of instruction:

College of Liberal Arts—35th Street and Wesley Avenue.
George F. Bovard, A.M., D.D., President.
Roy E. Schulz, A.B., Secretary.

College of Medicine—516 East Washington Street.
Chas. W. Bryson, A.B., M.D., Dean.
Walter S. Johnson, A.B., M.D., Secretary.

College of Dentistry—Fifth and Wall Streets.
Lewis E. Ford, D.D.S., Dean.
William Bebb, D.D.S., Secretary.

College of Law—Exchange Bldg., Third and Hill.
Frank M. Porter, A.B., LL.B., Dean.
Gavin W. Craig, LL.B., Secretary.

College of Music—35th Street and Wesley Avenue.
Walter F. Skeele, A.B., Dean.
Charles E. Pemberton, Secretary.

College of Oratory—35th Street and Wesley Avenue.
Beulah Wright, Dean.
Gertrude Comstock, Ph.B., Secretary.

College of Fine Arts—201 North Avenue 66.
William L. Judson, Dean.
Pearl Judson, Secretary.

College of Pharmacy—35th Street and Wesley Avenue.
Walter T. Taylor, Ph.G., Dean.
Charles W. Hill, Ph.C., Secretary.

College of Theology—35th and Wesley Avenue.
Ezra A. Healy, A.M., D.D., Dean.
James Blackledge, A.M., Secretary.

A Preparatory School is maintained in connection with the College of Liberal Arts.

Information concerning any of the colleges, and year-books containing the courses of study, etc., will be mailed upon application to the addresses given above.

BOARD OF UNIVERSITY TRUSTEES

TERM EXPIRES IN 1910.

Wesley W. Beckett, M.D.
Albert J. Wallace
H. W. Brodbeck, D.D.S.
George F. Bovard, A.M., D.D.
Alva W. Adkinson, A.M., D.D.
B. C. Cory, A.M.
W. M. Bowen, LL.B.

TERM EXPIRES IN 1911.

A. E. Pomeroy, A.M.
J. L. Pitner, A.M., D.D.
Will A. Knighten, D.D.
D. W. Edwards, D.D.S.
J. B. Green, A.B.
George I. Cochran, A.M., LL.B.
C. M. Jacques

TERM EXPIRES IN 1912.

Stephen Townsend
Gail B. Johnson
Ezra A. Healy, A.M., D.D.
George L. Hazzard
T. H. Oxnam
George W. Coultas, A.B., B.D.
Julius A. Brown

THE JUDICIAL COUNCIL OF THE MEDICAL DEPARTMENT

President Geo. F. Bovard, A.M., D.D.
Dean Chas. W. Bryson, A.B., M.D.
J. H. Seymour, M.D.

CALENDAR

College of Physicians and Surgeons
Session of 1909-1910

1909

September, 15, 16, 17	Examinations for entrance and advanced standing.
September 20	First Semester begins.
November 25	Thanksgiving recess.
December 24	Christmas Holiday begins.

1910

January 3	Second Semester begins.
February 22	Washington's Birthday.
May 23	Final Examinations begin.
June 1	Undergraduate Examinations begin.
June 16	Commencement Exercises.
September 14, 15, 16	Examinations for entrance and advanced standing in the session of 1910-1911.
September 19	First Semester begins (Session of 1910-1911).

FACULTY AND OFFICERS OF ADMINISTRATION

SENIOR FACULTY

George F. Bovard, A.M., D.D.....35th St. and Wesley Ave.
President of the University.

Charles William Bryson, A.B., M.D.....401-2 Delta Bldg.
Dean of the Department of Medicine, and Professor of Gynecology and Abdominal Surgery.

James Harvey Seymour, M.D.....310-311 Grant Bldg.
Member of the Judicial Council and Professor of Clinical Surgery.

Orville O. Witherbee, M.D.....606 Auditorium Bldg.
Professor of Clinical Surgery.

Lyman Brumbaugh Stookey, A.M., Ph.D.....Auditorium Bldg.
Professor of Physiology and Chemistry.

James Tucker Fisher, M.D.....602-603 Wright & Callender Bldg.
Professor of Neurology.

Thompson B. Wright, A.M., M.D....Kinney-Kendall Bldg., Pasadena, Cal.
Professor of Medicine.

Sylvester Gwaltney, A.M., M.D.....717 Grosse Bldg.
Professor of Clinical Medicine.

Walter Sydney Johnson, A.B., M.D.....717-719 Grant Bldg.
Professor of Obstetrics.

Francis Oliver Yost, M.D.....2831 Downey Ave.
Professor of Pediatrics.

William Leander Zuill, M.D.....Kinney-Kendall Bldg., Pasadena, Cal.
Professor of Otology, Laryngology and Rhinology.

Frederick John Kruell, Ph.G., M.D.....1021 E. Washington St.
Professor of Materia Medica and Therapeutics.

Thomas Jefferson McCoy, M.D.....636 Security Bldg.
Professor of Ophthalmology.

ASSOCIATE FACULTY

Andrew Fremont Wagner, A.M., M.D.....
.....1058 North Los Robles Ave., Pasadena, Cal.
Associate Professor of Bacteriology and Pathology.

Robert Henry Burton, M.D.....414 Grosse Bldg.
Associate Professor of Anatomy.

Raphael Burke Durfee, M.D.....308 Fay Bldg.
Associate Professor of Anatomy.

E. L. Leonard, B.S., M.D.....Auditorium Bldg.
Associate Professor of Histology.

Albert B. Ulrey, A.M.....35th St. and Wesley Ave.
Associate Professor of Embryology and Comparative Anatomy.

.....
Associate Professor of Medical Jurisprudence.

George Jesse Lund, M.D.....414-417 Auditorium Bldg.
Associate Professor of Otology, Laryngology and Rhinology.

William Harriman Jones, A.B., M.D.....Stafford Bldg., Long Beach, Cal.
Associate Professor of Gynecology.

Henry Michael Rooney, A.B., M.D.....606 Auditorium Bldg.
Associate Professor of Anatomy.

John Jay Still, M.D.....301 Douglas Bldg.
Associate Professor of Surgery.

Warren Nichols Horton, M.D.....717 Grosse Bldg.
Associate Professor of Genito-Urinary Diseases.

Charles E. Zerfing, M. D.....717 Grosse Bldg.
Associate Professor of Medicine.

George Washington McCoy, A.M., M.D.....636 Security Bldg.
Associate Professor of Ophthalmology.

Reginald S. Petter, M.D.....852 Central Ave.
Associate Professor of Materia Medica.

Henry Herbert, M.D.....413-415 Grosse Bldg.
Associate Professor of Medicine.

Howard White Seager, M.D.....915 Broadway Central Bldg.
Associate Professor of State Medicine and Hygiene.

Anstruther Davidson, C.M., M.B., M.D.....544-546 Wilcox Bldg.
Associate Professor of Dermatology.

John C. Ferbert, M.D.....222 Bradbury Bldg.
Associate Professor of Surgical Anatomy.

Thomas James Cummins, M.D.....Stafford Bldg., Long Beach, Cal.
Assistant Professor of Neurology.

Alanson Holden Jones, A.B., M.D.....35th St. and Wesley Ave.
Instructor in Physiology and Chemistry.

William Elmer Carter, M.D.....606 Auditorium Bldg.
Instructor in Medicine.

Edward Douglass Jones, M.D.....3146 Vermont Ave.
Instructor in Therapeutics.

Ralph Louis Byron, M.D.....606 Auditorium Bldg.
Instructor in Osteology.

Charles Worth Norton, M.D.....515 Wright & Callender Bldg.
Instructor in Minor Surgery.

Edward William Hanlon, M.D.....510 Lissner Bldg.
Instructor in the Medical Department.

Clarence H. Criley, Ph.B., M.D.....1141 W. Jefferson St.
Instructor in Anatomy.

Peter C. Remondino, M.D.....San Diego, Cal.
Lecturer on History of Medicine and Medical Bibliography.

Dallas Case Ragland, M.D.....Cor. Jefferson St. and Wesley Ave.
Laboratory Instructor in the Medical Department.

Downing, D. Nice, M.D.....340 Douglas Bldg.
Assistant in Bacteriology.

HISTORICAL STATEMENT

In 1885 the Trustees of the University of Southern California empowered one of their members, Dr. J. P. Widney, to take steps toward the organization of a Department of Medicine. That year the medical school was founded, and in the Fall instruction was offered in limited quarters on Aliso Street. From the beginning the aim has been to r ise the standard of medical education, and in this connection it is of interest that this institution was among the first to adopt a three-year course.

Ten years after its organization the Medical Department came into possession of more extensive quarters on Buena Vista Street, and in these buildings instruction was carried on until June, 1909. In August of the present year the College of Physicians and Surgeons consolidated with the University of Southern California, and the work of the Medical Department is now being carried on at 516 East Washington Street.

The College of Physicians and Surgeons was founded in 1904. Its main building, consisting of three stories, is commodious and equipped with modern appliances and apparatus. The policy of the College of Physicians and Surgeons has been characterized by thoroughness of method and by an attempt to place medical education upon a higher plane.

The Trustees of the University of Southern California and of the College of Physicians and Surgeons felt that by combining their resources, clinical facilities and teaching staffs, a broader and more thorough training would be possible than could be offered by either institution alone, and that by their coalescence the best ends of medical instruction in Southern California would be furthered.

The College of Physicians and Surgeons is an integral part of the University of Southern California. Its government is vested in the Board of Trustees of the University and in the Judical Council and Senior Faculty of the Medical epartment, as provided in the articles of incorporation of the University.

REQUIREMENTS *for* ADMISSION TO FRESHMAN CLASS

Men and women are admitted on equal terms.

Requirements for admission are as follows:

(a) A Bachelor's Degree in Arts or Science from an approved college.

(b) A diploma from an accredited high school, normal school or academy, whose course extends over four years, embracing not less than two points (two years) of Latin, two points (two years) of English, one point (one year) of History, one point (one year) of Physics, one point (one year) of Inorganic Chemistry, and six further credits in Science, Language, Literature or History, making a total of fifteen points.

A student may be allowed to enter the Freshman class with not more than three points of conditions. These conditions may be made up of either required or optional subjects.

Should a candidate for entrance to the Freshman class be unable to present credentials in the subjects above enumerated, it will be necessary to take an examination conducted by an appointee of the California State Board of Medical Examiners. A representative of the Board resides in Los Angeles and is prepared at any time to examine a non-accredited candidate for admission.

The credits required for matriculation are as follows:

A. REQUIRED: (16 Points).	Points.
Mathematics—(minimum, 2 years; mamimum, 3 years)	4
Algebra and Plane Geometry.	
English—(minimum, 2 years; minimum, 4 years)	4
(a) English Grammar;	
(b) Rhetoric and Composition.	
Latin—(minimum, 2 years; maximum, 4 years)	4
(a) Latin Grammar;	
(b) Latin Prose Composition;	
(c) Reading four books of Caesar or equivalent.	
Physics—(1 year)	2
With laboratory work.	

History—(minimum, 1 year; maximum, 3 years) 2
Including Civics and Political Economy.

Total required 16

B. OPTIONAL: (14 Points).

English Language and Literature—(2 years) 4
Only if taken after the required English.
Language—German, French, Spanish or Greek (4 years) 2
Not less than one year in any one.
Advanced Mathematics—Solid Geometry and Trigonometry (one-half year each) 1
Natural Science (1 year) 2
Biology, 1 year, or Botany and Zoology, one-half year each.
Physical Science—(1 year) 2
Chemistry.
Earth Science 1
Physical Geography and Geology, one-half year each.
Physiology and Hygiene (one-half year) 1
Astronomy (one-half year) 1
Drawing (one-half year) 1

The requirements for admission to the Freshman class of the College of Physicians and Surgeons may be changed from year to year.

REQUIREMENTS *for* ADMISSION TO ADVANCED CLASSES

A student who has matriculated in an accredited medical school, and completed satisfactorily the prescribed course of study, may be admitted to the succeeding year of the Department of Medicine, U. S. C. Each applicant for advanced standing is considered upon his or her merits.

COURSE IN MEDICINE

The required period of study for the degree of Doctor of Medicine is four years of thirty-six weeks each. The Freshman and Sophomore years are given Histology, Osteology, Comparative Anatomy, Anatomy, Physiology, Chemistry, Embryology, Pharmacology, Pathology, Bacteriology, Materia Medica and Therapeutics, while the Junior and Senior years are devoted largely to the clinical branches of medicine.

Instruction is given by lectures, recitations, conferences, laboratory work, demonstrations, dispensary clinics and hospital clinics, both medical and surgical.

During the Senior year optional courses are offered so as to allow the student to give special attention to some branch in which he may wish to specialize.

BUILDINGS AND EQUIPMENT

Instruction in some of the branches of the first two years is given in the College of Liberal Arts on the University campus. It is the intention of the Trustees of the University to offer the entire work of the Freshman and Sophomore years on the quadrangle as soon as the necessary arrangements can be concluded.

The main building of the Department of Medicine, the College of Physicians and Surgeons, is situated on East Washington Street, between the University campus and the business center of the city, and is readily accessible to the University and to different parts of Los Angeles.

Many special features are contained in the main medical buildings, such as apparatus for forcing cool and pure air into each room, storage tanks for anatomical material, and a clay-modeling room. The building was erected in 1904, and not only contains modern conveniences and appliances, but also the newer models of scientific apparatus.

LABORATORY FACILITIES

The College of Physicians and Surgeons lays emphasis upon the thoroughness of its laboratory instruction.

The laboratories are new and the equipment is extensive and modern.

LIBRARY FACILITIES

The University Library is well supplied with reference works in Embryology, Histology, Physiology and Morphology.

The Los Angeles City Library contains complete sets of many scientific journals, especially those pertaining to Biology and Chemistry.

The Barlow Medical Library was established in 1906 by Dr. W. Jarvis Barlow, formerly a Professor of Clinical Medicine in the University of Southern California. Dr. Barlow presented the library

building "to the medical profession for the great Southwest." A large and constantly increasing number of medical volumes is now housed conveniently in this Library, thanks to the generosity and support of the physicians of Southern California.

CLINICAL OPPORTUNITIES

The clinics, which are open each afternoon to the Juniors and Seniors, afford more material than can be used to advantage. The clinics are held each afternoon from 1 to 2 P. M. in the College Building. The location brings a superior class of clinical material—a class which the student can use to most advantage, especially in obtaining an accurate history of the case. A down town clinic is being established, which will make the clinical facilities second to those of no other college in the country.

In addition to the clinics held in the medical buildings of the University, the different professors conduct clinics in the County Hospital, which is an institution of 400 beds. The County Hospital affords ample opportunities in the medical, surgical, gynecological, obstetrical, eye, ear, nose, throat, genito-urinary and dermatological departments.

Various members of the faculty are interested in private hospitals, and students frequently have rare opportunities for witnessing and assisting at operations.

HOSPITAL INTERNSHIPS

Internships and appointments in hospitals of Los Angeles and surrounding cities are available to graduates of the College of Physicians and Surgeons.

In this connection it is of interest to note that for many years there have been more positions of this kind open to appointment than there have been graduates to fill them.

PRIZES

The Faculty will give a prize to the member of the Freshman, Sophomore, Junior and Senior classes who obtains the highest general average in the final examinations upon the studies of that year.

Professor Charles W. Bryson will present at Commencement Exercises a prize to the member of the Graduating Class obtaining the highest general average in attendance and general proficiency as shown in the finals in Gynecology and Abdominal Surgery.

Professor James H. Seymour will present at Commencement Exercises a prize to the member of the Graduating Class obtaining the

highest general average in attendance and general proficiency as shown in the finals in Surgery.

Associate Professor W. Harriman Jones will present at Commencement Exercises a prize to the member of the Junior class obtaining the highest general average in attendance and general proficiency as shown in the finals in Gynecology.

COURSES PRELIMINARY TO THE STUDY OF MEDICINE

Candidates who are not qualified for admission to the Department of Medicine, upon matriculation at the College of Liberal Arts of the University, may elect courses especially designed for those who plan to study medicine. These courses include Physics, Inorganic and Organic Chemistry, Zoology, Botany, Embryology, Bionomics, and should give the student that grasp on fundamental branches which is essential for a proper undertaking of the medical course.

COMBINED SIX YEAR COURSE FOR DEGREE OF A. B. AND M. D.

Students who have matriculated in the College of Liberal Arts of the University and who plan to study medicine, may so combine the four-year course for the A. B. degree with the four-year course for the M. D. degree as to take both degrees in six years.

COMBINED COURSE FOR THE DEGREE OF A. M. AND M. D.

Students holding the A. B. degree from recognized colleges and who enter the Freshman class of the College of Physicians and Surgeons, may matriculate at the Graduate School of the University, thus becoming candidates for the M. A. degree. Registration at the Graduate School may be made any time before the opening of Junior year. The candidate pursues advanced study along some special line and submits a thesis embodying original research. The degree of Master of Arts is given to the candidate upon the completion of the requirements for the advanced degree.

FEES

Matriculation Fee (paid but once)	$ 5.00
Tuition Fee (payable in advance), per year	150.00
Final Examination Fee (not returnable)	25.00

A deposit of $10.00 is required of all students to cover breakage and damage to buildings and equipment. The unexpended balance is refunded at the close of the year.

A rental of $5.00 for microscope and $2.00 for immersion lens is charged each year for their use in Histology, Embryology, Bacteriology, Microscopy and Pathology. The student will be charged for all breakage in any of the laboratories.

These fees are payable in advance each year. If not paid within four weeks of the beginning of the course, the right to attend lectures may be forfeited, and no student will be permitted to take an examination who is in arrears for fees, and no advanced standing whatever will be given a student under such conditions.

For further information address

CHARLES W. BRYSON, A.B., M.D., Dean,
401-403 Delta Building,
Los Angeles, California.

DEPARTMENTS *of* INSTRUCTION

ANATOMY

ROBERT HENRY BURTON, M.D., Associate Professor of Anatomy and Demonstrator of Anatomy.
RAPHAEL BURKE DURFEE, M.D., Associate Professor of Anatomy.
HENRY MICHAEL ROONEY, A.B., M.D., Associate Professor of Anatomy.
JOHN C. FERBERT, M.D., Associate Professor of Surgical Anatomy.
RALPH LOUIS BYRON, M.D., Lecturer on Osteology.
CLARENCE HOLMES CRILEY, Ph.B., M.D., Instructor in Anatomy.

The study of Anatomy is divided into seven courses and extends throughout the entire four years of college work. The laboratories and dissecting room are well equipped, and an abundance of working material is assured.

COURSE I. PRACTICAL ANATOMY. Each student of the first and second year is required to dissect the entire lateral half of the body in three parts, during which he is assisted and quizzed by the instructors. When the student has finished a part, he must show suitable drawings made from his work and pass an examination before allowed to begin his next part. Three hundred and sixty hours.

COURSE II. BONES, JOINTS AND LIGAMENTS, and two recitations a week for first year students. Sixty hours.

The bones are studied individually and collectively, the students pointing out and describing the different parts from actual specimens. Bones are loaned the students for private study.

COURSE III. MUSCLES, VESSELS, AND THE VISCERA. This course extends throughout the first year, including one hundred and eighty hours of recitation work, with special demonstrations on the cadaver.

COURSE IV. THE NERVOUS SYSTEM, SPECIAL SENSES, AND THE REPRODUCTIVE ORGANS are taken up in the second year. Two recitations a week, with drawings of the part studied. Eighty hours.

COURSE V. EMBRYOLOGY. Two recitations and two laboratory hours per week throughout the Sophomore year. The lecture course will embrace a comparative study of reproduction in the animal kingdom. Cell reproduction, fertilization, maturation, formation, of gastrula, the ovum, implatation, etc., the relationship and structure of the foetal envelope, will be thoroughly considered.

The Laboratory Course will consist of drawings, with full descriptive notes and examinations of sections of embryo of the pig, chick, etc., in the various stages of development.

Course VI. Comparative Anatomy. One lecture a week through the Freshman year.

A course of lectures, illustrated copiously with osteological material and preserved specimens.

Structure is the servant of function. The effort is made in this course to point out the way in which the physiological functions common to all animals are provided for in the structure of type forms from among the lower animals. It is planned thus to give a broader conception of the living animal body, the zoological characteristics of the human species and the biological forces that have brought about the present peculiarities of form.

Course VII. Surgical Applied Anatomy and Operative Surgery on the cadaver will be taught in the third year. Forty hours.

Text Books:—Anatomy: Cunningham & Cunningham's Dissector. Embryology: Heisler.

For Reference:—Piersol; Morris; Gray; and Treves.

HISTOLOGY

Ethel Langdon Leonard, B.S., M.D., Associate Professor.

Six hours a week throughout the Freshman year is given to the subject of Histology. The work is divided into two courses.

Course I. Elementary Histology is given the first of the Freshman year. The study of fresh tissues, those which have been disassociated, is first given to the student. Fixed and hardened tissues are next studied. All the elementary tissues of the body, including normal blood, are studied. The student is required to make sketches and colored drawings of all the specimens studied.

Course II. The work of the second semester is devoted to the study of the organs of the human body. Rapid methods of fixing and hardening tissues are discussed, and every technical detail of the work of preparing tissues for microscopical study is demonstrated and discussed. Quizzes, written reviews and practical tests are given to the class at frequent intervals throughout the year.

Text Books recommended for study: Bailey's Histology; Clarkson's Text Book of Histology; Quain's Anatomy; Sczymonowicz & MacCallum, Microscopical Histology.

CHEMISTRY

LYMAN BRUMBAUGH STOOKEY, A.M., Ph.D., Professor of Chemistry.
ALANSON HALDEN JONES, A.M., M.D., Instructor in Chemistry.

COURSE I. GENERAL INORGANIC CHEMISTRY. (First year students.)

Two hours lectures, six hours laboratory, and two hours recitations during the first half of the first semester.

Those phases of Inorganic Chemistry are considered which are necessary for a thorough understanding of chemical principles. Those aspects of physics which are required to give a thorough view of the constitution of matter, the element particle and its behavior, also the newer physics sufficient to make plain the subject of ionization are treated. The laboratory exercises are representative in character. The needs of the medical student are kept in mind. Most time is given to those elements whose compounds later will be his chief study.

COURSE II. SOME APPLICATIONS OF PHYSICAL CHEMISTRY TO PHYSIOLOGY. (First year students.)

Two hours lectures, six hours laboratory and two hours recitations during part of the first semester.

Among the subjects discussed are: Theory of solution, the properties of dissolved substances, osmotic pressure, concentration law, catalysis, mass action, ionization, thermo-chemical change, colloidal state, some reactions which go on in living matter, the physico-chemical organization of the cell.

COURSE III. SPECIAL METHODS OF QUANTITATIVE ANALYSIS. (First year students.)

Two hours lectures, six hours laboratory and two hours recitations during part of the first semester.

Those quantitative methods, both volumetric and gravimetric, are taken up which have an application in practical medicine.

COURSE IV. GENERAL ORGANIC CHEMISTRY. (First year students.)

Two hours lectures, six hours laboratory and two hours recitations during part of the second semester

The laboratory exercises embrace a study of the aliphatic derivatives, the carbocyclic and heterocyclic compounds, and a synthesis of some typical substances. Ultimate analysis of organic compounds, derivation of formulæ, methods of substitution and of addition are

treated. While the principles of the subject are considered from the standpoint of pure chemistry, the examples, illustrations and laboratory exercises deal with methods and with compounds required in practical medicine.

Course V. Toxicological Chemistry. (First year students.)

Two hours lectures, six hours laboratory and two hours recitations during part of the second semester.

The object of this course is to acquaint the student with the more common volatile, alkaloidal and metallic poisons, and the methods employed in toxicological analysis.

Course VI. Advanced Toxicological Chemistry. (Elective.)

Two hours second semester alternate years.

The aim of this course is to afford an opportunity to acquire a more thorough knowledge of toxicology than is possible in the elementary required course. The student is drilled in quantitative methods employed in toxicological analysis. Alleged blood stains are examined. To receive credit for this course each student must report satisfactorily on six poisoned animals submitted to him for toxicological analysis.

Course VII. Chemistry of Carbohydrates, Fats and Proteins. (First year students.)

Two hours lectures, six hours laboratory and two hours recitations during part of the second semester.

This course deals with the chemistry of the common carbohydrates, fats and proteins, including those which occur in the body. In the laboratory the methods for their detection, differentiation and quantitative estimation are taught. The more common cleavige products of the protein molecule are studied.

Course VIII. Analysis of Foods. (Elective.)

Three hours weekly first semester alternate years.

The more common methods employed in the analysis of foods are taught, emphasis being laid on the more frequently used adulterants and preservatives and their detection.

Course IX. Water Analysis. (Elective.)

Three hours weekly during the second semester.

The student choosing this course is given an opportunity to familiarize himself with the methods used in the chemical analysis of water.

Course X. Pathological Chemistry. (Third year students.)

One hour lecture and one hour recitation during the second semester.

Thet following subjects are discussed: Inorganic salts in disease, Calcification, concretions and incrustations, uræmia, eclampsia, intestinal putrefactive processes including auto-intoxication, ptomaines, benign and malignant tumors, phytotoxins, zootoxins, retrogressive processes, pathological pigmentation, chemical defenses of the body against disease.

Course XI. Pathological Chemistry. (Elective.)

Two hours weekly during first semester, alternate years.

In this course the student is drilled in laboratory diagnosis. Opportunity is offered to examine pathological stomach contents, blood, urine, fæces, exudates, concretions, cerebrospinal fluid, and other available material with reference to diagnosis.

Course XII. Chemical Conference. (Elective.)

Those who are interested are invited at times to be announced to discuss informally selected problems in medical chemistry, usually such as supplement instruction given in other ways. Problems under investigation in the laboratory are introduced for discussion.

PHYSIOLOGY

Lyman Brumbaugh Stookey, A.M., Ph.D., Professor of Physiology.
Alanson Halden Jones, A.M., M.D., Instructor in Physiology.

Instruction in this department is given by lectures, laboratory exercises, demonstrations and recitations. The laboratory exercises enable the student to acquire a direct acquaintance with experimental methods. The chief ends sought in the laboratory exercises are precision in conducting experiments, accuracy in observation and logic in deduction.

Formal written examinations in each course of this department are held at frequent intervals. These tests are invaluable in the cultivation of a clear and concise expression of thought.

The assistantships in this department are honor positions and are awarded according to scholarship and fitness.

Course I. Physiology of the Cell. (First year students.)

Three hours lectures, four hours laboratory and two hours recitations during the first half of the first semester.

The cell is studied as an elementary organism, emphasis being laid on it as the seat of vital processes. Special attention is given to the structure and chemistry of protoplasm, chemical reactions in the cell, irritability, contractility, tropisms, development of multicellular from unicellular organisms.

COURSE II. PHYSIOLOGY OF MUSCLE AND NERVE. (First year students.)

Three hours lectures, four hours laboratory and two hours recitations during the second half of the first semester.

Kymographical records are made by each student. The laboratory exercises include a study of the following: Mechanical, thermal, chemical and electrical stimulation of muscle and nerve, indirect and direct stimulation of muscle, changes in intensity of stimulus, minimal and maximal stimuli, influence of duration of stimulus, laws of contraction, natural tetanus, artificial tetanus, elasticity and extensibility of muscle, influence of temperature and load on muscular contraction, contraction of human muscle, ergograph, electrotonus, fatigue of muscle, fatigue of nerve, muscle currents, nerve currents, velocity of nerve impulse, conditions affecting excitability of nerve.

COURSE III. PHYSIOLOGY OF CIRCULATION, BLOOD AND LYMPH. (First year students.)

Three hours lectures, four hours laboratory and two hours recitations during the first half of the second semester.

Graphical records are kept by each student. Most of the experiments are carried out on the frog's heart. Among the topics studied in the laboratory are: Stair-case character of heart-beats, cardio-inhibitory center, latent period of cardiac muscle, effect of vagus on heart, action of atropin, muscarin, pilocarpin and nicotin on heart, constant current on heart, perfusion of fluids through the heart, endocardiac pressure, action of the heart valves, reflex inhibition of the heart, sphygmograph, blood pressure in different parts of the vascular system, red cell count, white cell count, differential count, colorimetric estimation of hæmoglobin, spectroscopical examination of hæmoglobin and its derivatives, hæmorrhage and regeneration, coagulation.

COURSE IV. PHYSIOLOGY OF RESPIRATION, REPRODUCTION, ANIMAL HEAT (First year students.)

Three hours lectures, four hours laboratory and two hours recitations during the second half of the second semester.

The laboratory exercises embrace a study of the following: Move-

ments of the chest wall, vital capacity, respiratory waves of blood pressure, variations of intrathoracic pressure, gases of the blood, reflex stimulation of respiratory center, relation of afferent fibers of vagi to respiratory center, respiratory quotient and its variations, modified respiratory movements, calorimetry.

Course V. Physiology of Digestion, Absorption, Secretion, Excretion and Metabolism. (Second year students.)

Two hours lectures, six hours laboratory and one hour recitation during the first semester.

Course VI. General Chemical Physiology. (Second year students.)

Two hours lectures, six hours laboratory and one hour recitation during the second semester.

This course embraces a study of the chemical changes occurring in the body, the chemical constituents of almost every tissue, and the functions of the constituents of the different tissues.

Course VII. Physiological Action of Drugs (Pharmacology). (Second year students.)

One hour lecture and one hour demonstration of recitation during both semesters.

This course consists of a study of the changes induced in the living organism by the administration of the more common and important drugs. Laboratory demonstrations supplement the lectures.

Course VIII. Advanced Pharmacology. (Elective.) Alternate years.

One hour lecture weekly during the first semester.

In this course a study is made of the physiological changes induced in the body by the less frequently used drugs. The relation between chemical constitution and pharmacological action is considered in studying some of the newer synthetical drugs.

Course IX. Physiology of the Central Nervous System and the Sense Organs. (Second year students.)

One hour lecture and one hour laboratory or recitation during the second semester.

During the first semester the class is trained in the anatomy of the brain. During the second semester the physiology of the central nervous system is studied. Emphasis is laid upon reflex action, reaction time, localization of functions in cerebrum, motor and sensory tracts in central nervous system and physiological optics.

Course X. Advanced Physiology. (Elective.) Alternate years.

This course consists of a detailed study of special subjects in Physiology, and includes the reading of original investigations along lines to be assigned, and the performance of laboratory experiments. Each student electing this course is required to carry out a complete metabolism experiment.

Course XI. Operative Physiology. (Elective.) Aletrnate years.

The object of this course is to acquaint the student with the more common operative procedure in physiological investigation. The following operations are performed on the dog: Gastric, biliary, and pancreatic fistulæ, Eck's operation, splenectomy, thyroidectomy, nephrectomy, ovariotomy, pancreatatomy, gastroenterostomy, colectomy.

Course XII. Pathological Physiology. (Third year students.)

One hour lecture and one hour recitation during the first semester.

Among the subjects discussed are: Disturbances in the digestive secretions, starvation, overeating, obesity, disturbances in the metabolism of carbohydrates, fats and proteins, qualitative changes in metabolism, production of organic acids, disturbances in the secretion of bile, alkaptonuria, cystinuria, pathological alterations in blood pressure, exudates, metabolism in fever anæmia and other pathological conditions.

Course XIII. Dietetics and Nutrition. ..(Third year students.)

One hour lecture and one hour recitation during second semester.

The lectures treat the following subjects: Specific dynamic action of the different foods, calorific requirements, construction of a diet from the different articles of food, nitrogenous equilibrium, nutrition during the period of growth, inorganic foods, some mineral waters, accessories to food, influence of mechanical work upon metabolism, diets in some pathological conditions.

Course XIV. Physiological Conference. (Elective.)

Those who are interested are invited to meet at times to be announced to discuss informally selected problems in physiology, usually such as supplement instruction given in other ways. Problems under investigation in the laboratory are introduced for discussion.

Course XV. Original Investigation. (Elective.)

Those who are qualified are encouraged to undertake research work. A reading knowledge of French and German is desirable.

PATHOLOGY

ANDREW FREMONT WAGNER, A.M., M.D., Professor of Pathology.
DALLAS C. RAGLAN, M.D., Laboratory Instructor in Medical Department.

The complete course covers a period of considerably over four hundred hours, extending through three full years, viz., Sophomore, Junior, and Senior, and consists of thorough didactic and laboratory work.

The didactic work consists of lectures, recitations and quizzes, with written examinations at stated periods, and the practical work consists of identification, study and drawing of microscopical specimens; the fixing, hardening, sectioning, staining and mounting of pathological tissues; the study of gross specimens, and the performance of autopsies at the County or other hospitals of this city.

The laboratories of the college are supplied with all the necessary equipments for instruction in this important branch of medicine, including a projectoscope, freezing, paraffin, and celloidin microtomes, Bausch and Lomb microscopes, etc., enabling the student to become familiar with all the routine work pertaining to this department.

Five courses are given:

COURSE I. GENERAL PATHOLOGY. This course is given to the Sophomore class throughout the entire year, and includes the subjects properly coming under this heading, viz., general causation of disease, circulatory disturbances, degenerations, inflammation, neoplasms, and parasitic diseases.

The didactic work is supplemented in the laboratory by the study of specimens, illustrating the pathologic conditions under discussion at the time in the lecture-room. As one subject after another is taken up systematically, the class is furnished by the department with specimens representing the particular lesions lectured on, which the students are required to study, and of which they make drawings. These drawings are taken into consideration in making up the final credits of each student. At the same time all the pathological material available is used in teaching the student to prepare, cut, stain and mount his own sections.

Course II. Special Pathology. This course is given to the Junior and Senior classes, thus giving the latter the benefit of a very thorough review of the whole subject of special pathology as given in the Junior year. The various tissues and organs are taken up in order, and the pathological changes studied under general conditions before are now studied in their new relations and modifications.

Course III. Gross Pathology and Postmortem Work. This course is given to both Junior and Senior students, and consists of identification and study of diseased parts with the naked eye, and the various microscopical staining, and other reactions.

The technique of making autopsies is taught by demonstrations, and opportunity is afforded the students to assist in the performance of the work.

Course IV. Clinical Microscopy. A complete course in this especially practical branch is given to Junior and Senior classes throughout the entire year. A separate laboratory has been fitted up for this work in the college building, and two hours per week are devoted to practical instruction in the examination of sputa, gastric contents, urine, fæces, exudates, etc.

Course V. Postgraduate Course. This course will be given to postgraduates and others desiring to take up work along special lines in any department of pathology. In such a course may be included the work as outlined in Courses I, II, III and IV, but with such limitations as to detail as will be necessitated by the amount of time available for the course.

Text Books: Stengel; Delafield and Prudden; Adami; Beattie and Dickson; Ziegler; Wells' Chemical Pathology.

MATERIA MEDICA AND THERAPEUTICS

Frederick John Kruell, Ph.G., M.D., Professor of Materia Medica and Therapeutics.
Reginald S. Petter, M.D., Associate Professor of Materia Medica.
Edward Douglass Jones, M.D., Instructor in Therapeutics.

Course I. First and second year students will receive instruction in the physical, chemical and pharmaceutical properties of remedial agents, pharmacodynamics, medical pharmacy, and the elements of prescription writing.

Three hours each week will be devoted to the above studies throughout the college year.

Course II. Third and fourth year students are instructed in the principles of therapeutics, applied therapeutics, and advanced prescription writing from a therapeutic standpoint, dietetics, and the therapeutic management of special diseases.

Three hours each week throughout the college year are devoted to the above studies.

Text Books: Hare; Shoemaker; Stevens; Potter; Sollmann.

BACTERIOLOGY

Andrew Fremont Wagner, A.M., M.D., Professor of Bacteriology.
Downing D. Nice, M.D., Assistant in Bacteriology.

This course is given in the second year, and reviewed in the fourth year.

The whole subject of Bacteriology—general and special—is taught by lectures, quizzes, and laboratory instruction throughout the entire year.

The didactic work is thorough and complete, the first half of the course including the classification, physical and chemical structure of bacteria in general, as well as the products of their biological activities, and particularly the antibodies, the opsonic substances, and the theories of infection and immunity relating to the various pathogenic micro-organisms, while the second half of the course covers the identification, the staining, cultural and other biologic characteristics of the various species of pathogenic bacteria, as well as of the pathogenic protozoa, yeasts and moulds.

The laboratory work is comprehensive, and aims to be as practical as possible. The student is made familiar with approved methods of technique by requiring him to actually perform the work done in bacteriological laboratories, from the preparation of staining fluids and of culture media to the cultivation and inoculation of the different organisms.

The review, by quizzing, of the subject in the Senior year enables the student about to graduate not only to refresh his memory in the details of this important department of the study of disease, but affords an opportunity of presenting to him any new facts that are liable to be developed from year to year in this rapidly growing subject.

Text Books: Park's Pathogenic Bacteria and Protozoa; Jordan's General Bacteriology; Muir and Ritchie (1907 Edition) and MacFarland's Pathogenic Bacteria.

PHYSICAL DIAGNOSIS

Henry Herbert, M.D., Associate Professor of Medicine.

The mode of instruction in this department of medicine is based chiefly upon clinical, practical training at the bedside, comprising anamnesis, status presens, pathology, diagnosis, differential diagnosis and prognosis. In the Junior year practical instruction is given twice a week at the Los Angeles County Hospital from one to two hours each week.

For the proper conception of the abundant and interesting clinical material offered the Junior class, a proper training in auscultation and percussion is a condition sine qua non. Cases are brought before the class with a complete history taken by one of the students and then demonstrated and discussed.

During the year each student is required to furnish in writing three complete history reports of patients, and at the end of the year to pass an oral and practical examination at the bedside. This constitutes an essential item in the morkings on final examination.

Text Books: Osler; Butler; Cabot; Anders; Da Costa.

MEDICINE

Thompson B. Wright, A.M., M.D., Professor of Medicine.
Sylvester Gwaltney, A.M., M.D., Professor of Clinical Medicine.
Charles E. Zerfing, M.D., Associate Professor of Medicine.
Henry Herbert, M.D., Associate Professor of Medicine.
E. W. Hanlon, M.D., Instructor in the Medical Department.

Course I. During the session a series of didactic lectures will be given, of a thoroughly practical nature, embracing a critical study of internal diseases generally, including diseases caused by protozoa, and parasites, infectious diseases, constitutional diseases, and the diseases

grouped according to the organs affected, such as: Diseases of the lungs, heart and arteries, of the liver, of the stomach and intestines, of the pancreas, of the kidneys and spleen and lymphatic system, of the blood and of ductless glands and tropical diseases.

Especial attention will be given to the study of the etiology, bacteriology, pathological signs and symptoms, diagnosis, prognosis, and treatment of each disease, and the lectures will be amply followed up and illustrated by patients drawn from the various clinics in connection with the College and County Hospital; also by the use of pathological specimens from the College Museum, and by the use of suitable charts, etc.

The student will be given special instruction in the application of anatomical knowledge to the investigation of the diseases, the methods of examining various organs and parts, to detect evidence of disease, the mode of employment of instruments and apparatus used in diagnosis, treatment prescribed, and applied therapeutics.

Course II. The Department of Physical Diagnosis has been incorporated with the Department of Medicine, and instruction in this branch is directly taught by an Associate Professor of Medicine, so that it can be more readily condensed with the other work in the department.

The mode of instruction in this Department of Medicine is based chiefly upon clinical, practical training at the bedside, comprising anamnesis, status presens, pathology, diagnosis and differential diagnosis. In the Junior year practical instruction is given twice a week at the Los Angeles County Hospital two hours each week, and one hour didactic lecture at the College.

For the proper conception of the abundant and interesting clinical material offered the Junior class, a proper training in auscultation and percussion is a condition sine qua non. Cases are brought before the class with a complete history taken by one of the students and then demonstrated and discussed.

During the year each student is required to furnish in writing three complete history reports of patients, and at the end of the year to pass an oral and practical examination at the bedside. This constitutes an essential item in the markings on final examination.

Course III. Clinical medicine is taught by didactic and socratic recitations at the College, beside instruction at the hospital—together with practical demonstrations of the latest and best laboratory methods.

The course in modern and clinical methods includes the most approved means of examining the urine, chemical and microscopical examination of the blood, sputum and gastric contents, as well as the morbid products and secretions of disease.

The dispensary service is utilized and the course so arranged that the student may receive the benefit of a personal examination of the patient in connection with the laboratory work necessary for the elucidation of the case.

Course IV. The Junior and Senior classes receive systematic instruction in the practice of medicine at the bedside. Ward and observation classes are formed, as these conference classes have proved a success and represent a great improvement over the old method of clinical lectures. Each case is carefully studied by the students, who prepare reports upon that portion of the case to which they have been assigned. These reports are read in class and discussed, after which the professor in charge draws attention to errors and directs the students in correctly interpreting the data collected. The conference closes with a brief review, during which important points are accentuated and peculiar ones noted.

Most excellent clinical facilities are afforded at the County Hospital with its 400 beds. The recent establishment of a regular visiting staff having absolute charge of the patients, opens up new opportunities for the close study and treatment of disease in this institution. Our students have constant access to the wards, giving them the opportunity to obtain at first hand that knowledge of disease which can only be acquired through intimate contact with the patient.

There is a Department in Tropical Medicine, directly under the charge of the Professor of Clinical Medicine, open to the Senior students, and comprises one recitation weekly.

Recognizing that a knowledge of natural history is essential to a thorough understanding of the causative factors in the production of tropical diseases, the student is taught to construct analytic outlines of the various parasites and their associated diseases.

Special attention is given the subject of infection, immunity and serum therapy.

Text Books: Diagnosis—Osler; Butler; Anders; Emerson; Boston; Cabot's Diseases of the Blood; Todd's Manual of Clinical Diagnosis; DaCosta.

Practice: Anders; Osler; Tyson; Manson; Jackson.

Collateral Reading and Reference: Krehl's Pathological Physiology; Hammarstein's Physiological Chemistry; Cushney's Pharmacology; Potter's Materia Medica and Therapeutics.

OBSTETRICS

Walter Sydney Johnson, A.B., M.D., Professor of Obstetrics.

Instruction in Obstetrics is begun in the third year, and is carried on by means of didactic lectures, recitations and demonstrations upon the manikin and living subject; by the use of charts, wet and dry specimens, models and pelves.

The subject matter during this year embraces the anatomy of the pelvis, physiology, and development of the ovum, normal pregnancy, normal labor and normal puerpery.

Two hours a week are given to lectures and recitations throughout this year.

Lectures and recitations are continued during the fourth year, at which time the complications and difficulties liable to be encountered in the practice of the science and art of obstetrics are successively considered, viz., abnormal pregnancy, dystocia, and abnormal puerpery.

Special attention is given to asepsis, external palpation, pelvimetry, the use of forceps, and the different obstetric operations.

Students during this year, in addition to the above, are expected to attend one or more cases of labor, under the supervision of the Professor of Obstetrics. The maternity wards of the County Hospital and the many charitable cases coming under the care of this department afford ample material for practical demonstration, thus giving the student a thorough working knowledge of the subject.

Text Books: Williams; Edgar; American Text Book; Hirst; Wright.

SURGERY

James Harvey Seymour, M.D., Professor of Clinical Surgery.
Orville O. Witherbee, M.D., Professor of Clinical Surgery.
John Jay Still, M.D., Associate Professor of Surgery.
Charles W. Norton, M.D., Instructor in Minor Surgery.

This department embraces didactic and clinical instructions and extends through the Junior and Senior years. Five hours a week are devoted to class-room instruction, consisting of a systematic course of lectures and recitations.

In the Junior year the principles underlying surgical procedures and governing surgical diseases, together with a thorough grounding in surgical pathology, are considered. The art of bandaging, the application of surgical dressing and the use of anæsthetics are taught during this year. Clinical instruction is begun by the Junior student and he is given ample opportunity to witness all the major and minor operations.

In the Senior year students are required to attend all surgical clinics, while continuing the course of instruction in general and special surgery. Four hours a week are devoted to clinical lectures at the County Hospital and daily clinics are held at the College Dispensary. Many opportunities are also afforded the Senior class to witness, at close range, operations in the many hospitals with which Los Angeles is so bountifully provided. Every effort indeed is made to familiarize the student with the practical application of modern surgical procedures, to the end that he may be fully equipped to meet any and all emergencies within the domain of surgery.

Text Books: DaCosta; Wyeth; Lexer-Bevan; Scudder's Treatment of Fractures; Stimson on Fractures and Dislocations; Operative Surgery—Bryant; Bickham; Treaves; Minor Surgery—Foote.

GYNECOLOGY AND ABDOMINAL SURGERY

CHARLES W. BRYSON, A.B., M.D., Professor of Gynecology and Abdominal Surgery.

WILLIAM HARRIMAN JONES, A.B., M.D., Associate Professor of Gynecology.

Instruction in this department will be didactic and clinical, comprising lectures, recitations, quizzes, dispensary and hospital clinics, and minor and major operations, before members of the Junior and Senior classes, and will continue throughout the Junior and Senior years. In the Clinical Department students will be divided into small classes, the better to enable them to witness closely the technique of all operations.

Students will be required to examine, diagnose and treat patients in the presence of the professor in charge, in order to become proficient in gynecological diagnosis and treatment. In thus bringing

the student in close personal relation with a large number and variety of cases, he familiarizes himself with the different methods of examining patients, and at the same time he becomes accustomed to making diagnoses and formulating treatment, as well as witnessing closely and assisting at all of the minor and major operations in gynecology and abdominal surgery. Diseases of the bladder and urethra will be thoroughly covered in this department and their medical and surgical treatment outlined and demonstrated. Methods of inspection and examination will be taught by the use of charts and manikins, as well as upon the living subjects. The practical manipulation and use of the cystoscope will be shown first upon bladder phantoms, then upon the living subject in the Clinical Department. A thorough theoretical as well as practical knowledge of gynecology and abdominal surgery in its broadest scope is a prerequisite to graduation from this College, and every opportunity will be offered the student to prepare himself for the arduous duties that will come to him in his professional career. Text Books: Dudley; Gilliam; Montgomery; Ashton; Reed; Penrose; Hirst; Possi; Byford; Garrigues; Crossen; Kelly's Operative Gynecology; Surgical Diseases of Abdomen, by Douglas; Abdominal Operations, by Moynihan.

OPHTHALMOLOGY

Thomas Jefferson McCoy, M.D., Professor of Ophthalmology.

George Washington McCoy, A.M., M.D., Associate Professor of Ophthalmology.

The course on diseases of the eye will consist of one didactic and two clinical lectures each week, giving practical instructions on the eye, in general, the recognition, differentiation and treatment of the common, as well as the complicated diseases and injuries, teaching the recognition of diseases in the eye as diagnostic of disease in remote organs, the principles and the use of the ophthalmoscope and clinical instructions on refraction. Ample material is available at the hospitals, college and outdoor clinics.

Text Books: May; Fox; Jackson; De Schweinitz; Ball or Fuchs.

OTHOLOGY, LARYNGOLOGY AND RHINOLOGY

William Leander Zuill, M.D., Professor of Otology, Laryngology, and Rhinology.

George Jesse Lund, M.D., Associate Professor of Otology, Laryngology, and Rhinology.

This subject is taught by lectures, recitations, reviews, and clinical instructions, consisting of three hours per week of didactic work and three hours per week of clinical work in the College Dispensary and County Hospital.

This course of special work comprises the latest and most modern methods in technique, and particular pains are taken to make the student perfectly familiar with the practical side of the diseases of these organs as presented in our regular clinics at the College Dispensary and County Hospital.

Special attention is given: First—To the Anatomy and Physiology of the Ear, Nose and Throat, and Accessory Sinuses. Second—Methods of Examination. Third—General pathological conditions. Fourth—Special diseases of the organs. Fifth—Diseases of Accessory Cavities. Sixth—Neoplasms. Seventh—Operations.

Text Books: Bishop, on Diseases of Nose, Throat and Ear, third edition; Kyle, Diseases of Nose and Throat; Coakley, on Diseases of Nose and Throat.

NERVOUS AND MENTAL DISEASES

James Tucker Fisher, M.D., Professor of Neurology.
Thomas James Cummins, M.D., Assistant Professor of Neurology.

The course in Neurology, Psychiatry and Neuro-Pathology consists of lectures and clinics at the Medical School, County Hospital and Soldiers' Home each week during the third and fourth years.

The clinical course familiarizes the student with the common disturbances of the nervous system and some of the more important mental diseases.

The detention of the insane at the County Hospital, before commitment to the State Hospital for the insane, allows the student to see many forms of insanity.

Text Books: Dana; Starr; Gordon; Mettler.

STATE MEDICINE AND HYGIENE

Howard White Seager, M.D. (Late U. S. Army Medical Corps), Associate Professor State Medicine and Hygiene.

Two hours each week during the Junior and Senior year will be devoted to instruction in this important branch of medicine. Hygiene

as applied to preservation of health and prevention of disease will be thoroughly illustrated, especial attention being given to the pure food laws, state, national and interstate control of pure foods and drugs, adulterations, dilutions, labeling, etc.

School-room and military (camp) hygiene will receive especial consideration.

A full course in hygiene of air, soil, water, climate, food and diet; food supply, food diseases and adulterations; heating, lighting and ventilating of dwellings; municipal sanitation and water supply, sewage and drainage, disposal of refuse; in fact, every department in connection with preventive medicine and sanitary laws, will be given.

Text Books: Parkes; Egbert; Bergy.

ELECTRO-THERAPEUTICS

....., Associate Professor of Electro-Therapeutics.

Lectures will be delivered and recitations held during the Junior and Senior years covering the history of electricity, the different currents in use, and their application to practical therapeutics. The ground covered shall comprise knowledge of apparatus, currents employed, and technique of treatments, electro-diagnosis, magnetism, Roentgen rays, light and high-frequency therapy, and other allied subjects.

The latest electrical apparatus for practical clinical demonstration of all forms of electricity has been installed.

Text Books: Rockwell's Medical and Surgical Electricity; Massey's Treatment of Diseases by Galvanic and Faradic Electricity; Pussey's Caldwell on Roentgen Rays in Therapeutics and Diagnosis; Monell's Static Electricity and X-Ray for Therapeutic Use.

GENITO-URINARY DISEASES

Warren Hichols Horton, M.D., Associate Professor of Genito-Urinary Diseases.

This course comprises a series of lectures and clinical demonstrations throughout the Senior year, and is limited to Senior students.

In the didactic course, the anatomy, histology, embryology and physiology of the entire genito-urinary tract is reviewed, such time being spent on this as to insure a thorough knowledge of the fundamental

principle of this subject, and then the diseases of the various organs are taken up separately, special attention being given to the pathological changes and their diagnosis.

The operative procedures are taught on the cadaver, and the students are required to go through the various steps of each operation under the guidance of the instructor.

The diagnosis is gone into with each pathological condition as it is being studied, but preliminary to this, special instruction is given in palpation and percussion and various other methods pertaining to genito-urinary diseases in general, individual instruction being given in the use of the cystoscope, urethroscope and catheterising ureters, etc.

These lectures will be illustrated by a series of clinical demonstrations upon material from the College Clinic and at the County Hospital.

No one text book is followed in the course, but the students of this branch are recommended to buy various texts, and thereby the class has the advantage of the different authors writing on this subject.

Works recommended: Casper; Kreissel; Fynger; Corner; Keyes; White and Martin; Morrow's System; Deaver's Diseases of the Prostate Gland; and various texts on Anatomy, Histology and Embryology used in other departments of the school.

DERMATOLOGY

ANSTRUTHER DAVIDSON, C.M., M.B., M.D., Associate Professor of Dermatology.

Dermatology, embracing within its scope Syphilography, has been taken from the Department of Genito-Urinary Diseases and placed in a separate department.

This course embraces one hour each week throughout the Senior year. The subject matter covered will be the histo-pathology and bacteriology of the skin, relations of diseases of the skin to other diseases and to other organs, embracing also patho- and radio-therapy, disorders of the glandular system, inflammations, hemorrhages, atrophies and hypertrophies, new growths, neuroses, parasitic affections, etc., etc., will be taken up, and the latest methods in etiology, diagnosis and treatment will be carefully outlined.

Syphilis, its effects, direct and remote, upon healthy and diseased organs, together with the most modern methods of diagnosis and treatment, will be covered thoroughly during the year.

Text Books: Lydston; Jackson; Stellwagon.

PEDIATRICS

Francis Oliver Yost, M.D., Professor of Pediatrics.

The course in diseases of children consists of lectures, recitations and clinics, during the third and fourth years. In the lectures special attention is devoted to the subject of infant feeding, and the infectious diseases of childhood. The clinical course familiarizes the student with the symptomatology of the common diseases of children.

In the recitations a special effort is made to impress the practical points of diagnosis and treatment.

Text Book: Holt.

Collateral Reading: Koplik; Rotch; Jacobi; Cotton; Fischer; Corlett; Graetzer; Ruhrah; Kerr; Kerley; Pfaundler and Schlossman.

MEDICAL JURISPRUDENCE

....., Professor of Medical Jurisprudence.

Lectures will be given on the following subjects: Legal relations of physician to patient and patient to physician, including rights to compensation, collection of fees, malpractice; legal relations of physician to government, including government regulation of practice, power to protect public health, nuisances and their abatement, adulteration of foods; elementary general principles of law, knowledge of which frequently is required by and useful to physicians, including wills, estates of insane and deceased persons, crimes of violence, rights of children, negligence; legal aspects of mental disorders and diseases, including testamentary capacity, criminal responsibility of insane, alcoholism and drug addictions, legal incompetency to contract, care for and custody of insane, property rights of insane; personal injuries by violence (a) in civil damage cases, and (b) in criminal cases, including rules of evidence, medico-legal inspection, autopsies (a) to ascertain cause of death, and (b) to obtain evidence of manner of infliction, suicide; toxicology, sex perversions, pregnancy, disease and divorce; life and accident insurance; expert and opinion evidence, including the medical witness, his position, rights and duties.

Efforts will be made in this department to familiarize students with the proper methods of practice and procedure in all matters wherein the practitioner of medicine is likely to come in contact with the law or the government, and especially in that large class of cases

where accurate knowledge of legal requirements is called for upon the instant. The lack of such knowledge frequently has enacted great embarrassment, both to the courts and to the medical profession.

Text Books: Taylor; Witthaus and Becker, Forensic and Medicine Toxicology.

HISTORY OF MEDICINE AND MEDICAL BIBLIOGRAPHY

P. C. Remondino, M.D., Lecturer on History of Medicine and Medical Bibliography.

Dr. Remondino will deliver, during the session of 1909-1910, a series of lectures to the entire student body upon that most interesting and instructive topic, History of Medicine and Medical Bibliography. This subject has been added to and made a part of the curriculum of this College. Dr. P. C. Remondino, of San Diego, Cal., has been selected to present this course, he being a man of finished San Diego, Cal., to present this course, he being a man of finished scholarly attainments, and his inherent ability, together with his broad and comprehensive knowledge of this subject, the results of a lifelong study and research into the seemingly impenetrable mysteries of the history of medicine, is an evidence of his peculiar fitness to make this course interesting and instructive. Dr. Remondino will endeavor to make this course an epitome of the general History of Medicine, taking up probably first the history of Aboriginal Medicine, then the Egyptian and Hindoo periods, to be followed by the Ante-Hippocratic Greek medical period. Then will follow the Hippocratic and Alexandrian, the Roman and the Arabian, with the period of renaissance in Europe in the Sixteenth Century. In fact, a review of Medicine from the earliest possible obtainable history down to and including the present, will be given.

The above outline of the course will suffice to call the attention of the student along these lines to the opportunities offered here in this too oft neglected department. We believe that the broad-minded, up-to-date medical man should know at least something of the history of his profession.

MEDICAL ECONOMICS

PROFESSOR BRYSON.
PROFESSOR SEYMOUR.

This College, in keeping pace with the advancements being made in medical teaching and training, has adopted the recommendation of the Educational Council of the American Medical Association and added to its curriculum a Department of Medical Economics. The young man or woman taking a degree from a medical institution must go forth usually ill prepared to take and to occupy that high position and place in the professional and business world that should be expected of them. This course will consist of twelve lectures to the Junior and Senior classes throughout the term upon the fundamental business principles so essential to the success of the young practician, the duties of the medical man to himself, to his confreres, to his patients, and to the public at large, the relation that should exist between the medical man and the druggist, the Church, and the State,, etc., etc. This course will aim to inculcate into the mind of the student that broad spirit of altruism which should regulate and control the relations existing between mankind. This course will embrace and set forth that true spirit of fraternization that should permeate the ranks of the medical profession, that spirit of brotherly love which seems to have been forgotten by the medical fraternity in its onward and rapid progress. The basic principles of organizaiton and unity will be outlined, and, in fact, medical sociology will be woven into a strong and durable fabric which we believe will redound greatly to the future benefit of those who go out into the world to accomplish better things by better methods.

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1911/12

UNIVERSITY OF SOUTHERN CALIFORNIA BULLETIN

VOLUME VI JULY, 1911 NUMBER 3

FEB 1912

College of Physicians and Surgeons

MEDICAL DEPARTMENT

Annual Catalogue and Announcement

SESSION 1911-1912

University of Southern California. 1911/12.

University of Southern California Bulletin

Volume VI. July, 1911 No. 3

College of Physicians and Surgeons

MEDICAL DEPARTMENT

Annual Catalogue and Announcement

SESSION 1911-1912

Published Bi-Monthly by the University
Entered as Second-class Matter under Act of Congress July 16, 1894
LOS ANGELES, CALIFORNIA

COLLEGE OF PHYSICIANS AND SURGEONS

THE UNIVERSITY

The University of Southern California was founded in 1879, and was formally opened for students in October, 1880. It includes the following colleges, each of which has a distinct faculty of instruction:

College of Liberal Arts—35th Street and University Avenue.
George F. Bovard, A.M., D.D., LL. D., President.
Roy E. Schulz, A.B., Secretary.

College of Physicians and Surgeons—516 East Washington St.
Charles W. Bryson, A.B., M.D., Dean.
Walter S. Johnson, A.B., M.D., Secretary.

College of Dentistry—Fifth and Wall Streets.
Lewis E. Ford, D.D.S., Dean.
William Bebb, D.D.S., Secretary.

College of Law—Exchange Bldg., Third and Hill Streets.
Frank M. Porter, A.B., LL.M., Dean.
Gavin W. Craig, LL.M., Secretary.

College of Theology—35th Place and Hoover Street.
Ezra A. Healy, A. M., D.D., Dean.
James Blackledge, A.M., Secretary.

College of Pharmacy—35th Street and University Avenue.
Laird J. Stabler, M.S., Ph.C., Dean.
Arthur R. Maas, Ph.C., Secretary.

College of Music—35th Street and University Avenue.
Walter F. Skeele, A.B., Dean.
Charles E. Pemberton, Secretary.

College of Oratory—35th Street and University Avenue.
Beulah Wright, Dean.
Gertrude Comstock, Ph.B., Secretary.

College of Fine Arts—201 North Avenue 66.
William L. Judson, Dean.
Pearl Judson, Secretary.

The Marine Biological Station—Venice, California.
Albert B. Ulrey, A.M., Director.

A Preparatory School is maintained in connection with the College of Liberal Arts.

Information concerning any of the colleges, and year-books containing the courses of study, etc., will be mailed upon application to the addresses given above.

Board of University Trustees

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James H. Seymour, M.D.

Course of Study, Four Years

Of Nine Calendar Months Each

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CALENDAR

College of Physicians and Surgeons

Session 1911-12

1911.

September 13, 14, 15.....Examination for Entrance and Advanced Standing in the Session of 1911-12.
September 18 .....First Semester begins.
November 30.....Thanksgiving Day.
December 23.....Christmas Vacation begins.

1912.

January 2.....Second Semester begins.
February 22.....Washington's Birthday.
May 13.....Final Examinations begin.
May 30.....Decoration Day.
June 13.....Commencement.

Faculty and Officers of Administration

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James Harvey Seymour, M.D.....310-311 Grant Bldg.
Member of the Judicial Council and Professor of Surgery and Clinical Surgery.

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Thomas Jefferson McCoy, M.D.....636 Security Bldg.
Professor of Ophthalmology.

Harry Oscar White, M.D.....516 E. Washington St.
Professor of Anatomy.

Andrew Fremont Wagner, A.M., M.D.....
.....1074 North Los Robles Ave., Pasadena, Cal.
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ASSOCIATE FACULTY

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Associate Professor of Surgical Applied Anatomy.

Raphael Burke Durfee, M.D.....308 Fay Bldg.
Associate Professor of Anatomy.

Albert B. Ulrey, A.M.....1435 W. Twenty-third St.
Associate Professor of Comparative Anatomy.

George Jesse Lund, M.D.....414-417 Auditorium Bldg.
Associate Professor of Otology, Laryngology and Rhinology.

William Harriman Jones, A.B., M.D...Stafford Bldg., Long Beach, Cal.
Associate Professor of Gynecology.

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Associate Professor of Anatomy.

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Associate Professor of Genito-Urinary Diseases.

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Associate Professor of Neurology.

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Associate Professor of Chemistry.

Peter C. Remondino, M.D.....San Diego, Cal.
Lecturer on History of Medicine and Medical Bibliography.

Dallas Case Ragland, M.D.....405 Delta Bldg.
Lecturer on State Medicine and Hygiene.

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Lecturer on Medicine.

P. C. H. Pahl, M.D.....518 Consolidated Realty Bldg.
Lecturer on Orthopedic Surgery.

H. E. MacDonald, M.D.....
Home Office Medical Examiner, Pacific Mutual Life Ins. Co., City
Lecturer on Life Insurance Examination.

William Elmer Carter, M.D.....402 Lissner Bldg.
Instructor in Medicine.

Francis Earl Brown, A.B., M.D.....410-416 Wright & Callender Bldg.
Instructor in Medicine.

Earle M. Brown, B.S., M.D.....1064 W. Seventh St.
Instructor in Clinical Medicine.

Harvey Smith, M.D.....1003-5 Walter P. Story Bldg.
Instructor in Clinical Medicine.

Donald George Turnbull, M.D.....Auditorium Hotel, City
Instructor in Bacteriology.

Placida Gardner, A.B., M.D.....932 W. Twentieth St.
Instructor in Histology and Pathology.

Lyell Cary Kinney, M.D.....614 Pacific Electric Bldg.
Instructor in Electro-therapeutics and Roentgenology.

Howard Munro, M.D.....509-510 Union Trust Bldg.
Instructor in Medicine.

FOREWORD

The University of Southern California in keeping pace with other of the leading universities of the country was quick to note the advancements being so rapidly made in medical science, and, in establishing and building up the various university departments, was one of the first institutions in the West to broaden the scope of the curriculum in its medical department. In 1885, when the medical department of this university was founded, the Trustees placed themselves on record for higher medical education, declaring for a three-year course, which was the exception at that time, and since then has been among the first in the rank of universities to lift its medical department up to the highest plane of efficiency. Money has been liberally spent and no pains have been spared to equip the medical laboratories, broaden and perfect the clinical departments, and to place them in charge of experienced and capable teachers and instructors. The Alumni of the medical department of this University number many of the leading physicians and surgeons of this country—trained, skilled men and women in their chosen profession, and an honor to the institution that prepared and equipped them. The College of Physicians and Surgeons of Los Angeles, an institution of high class, became an integral part of the University of Southern California August 11, 1909, thus becoming its medical department, its faculty believing that better work could be done under the auspices of a strong university, where the university spirit might be inculcated into the various branches of its medical course. The wisdom of this union was apparent and is manifested by the superior work now being done in all departments of the medical curriculum.

The government of the College of Physicians and Surgeons is vested in the Board of Trustees of the University and in the Judicial Council and Senior Faculty of the Medical Department, as provided in the articles of incorporation of the University.

ENVIRONMENTS

The City of Los Angeles, with a population of about 350,000, is but little less talked of, written about, and wondered at, than any other city in the world, located as it is, in the very heart of Nature's most favored spot on earth, surrounded by a semi-tropic panorama so inviting and so enchanting that all those who come within its gates are amazed at the lavishness of Nature's gifts to the City of the Angels—the brightest gem in the diadem of America's most charming cities of refinement and culture.

Here will be found all the elements that tend to make student life pleasant and attractive. The ideal climatic influences permit the student to spend much time in the open air, 'mid surrounding of historic interest, 'neath sunny skies, with semi-tropic foliage, flowers and blossoms on every hand, while, stretching away into the distance, are found orange orchards and lemon groves, leading up to the very base of the mountain range, with towering peaks perpetually covered with snow and half surrounding this garden spot that Nature has so well endowed.

The curriculum of this college is so full and so broad that it requires and exacts the greater portion of the student's time, but still there must be some time for relaxation and recreation, and here Nature has prepared in abundance opportunities for these necessities. The rigorous climate of the East and the Middle West keeps the student too much indoors, and, as a consequence, he becomes the subject of the devitalizing influences of a physically inactive life. We invite the attention of students whose health has become impaired by climatic conditions elsewhere, and yet we do not encourage invalids to come to Los Angeles for study in this college, for we do not believe that invalids should enter upon the study of medicine. The requirements are too exacting and the work too arduous, and the man or woman who is weak, mentally or physically, should not attempt the study or the practice of a profession requiring so much self-sacrifice and untiring effort.

The population of Los Angeles is essentially cosmopolitan. People in the different walks of life, from all quarters of the globe, are to be found here, and we have, therefore, an abundance of clinical material, which this college utilizes to the very best advantage.

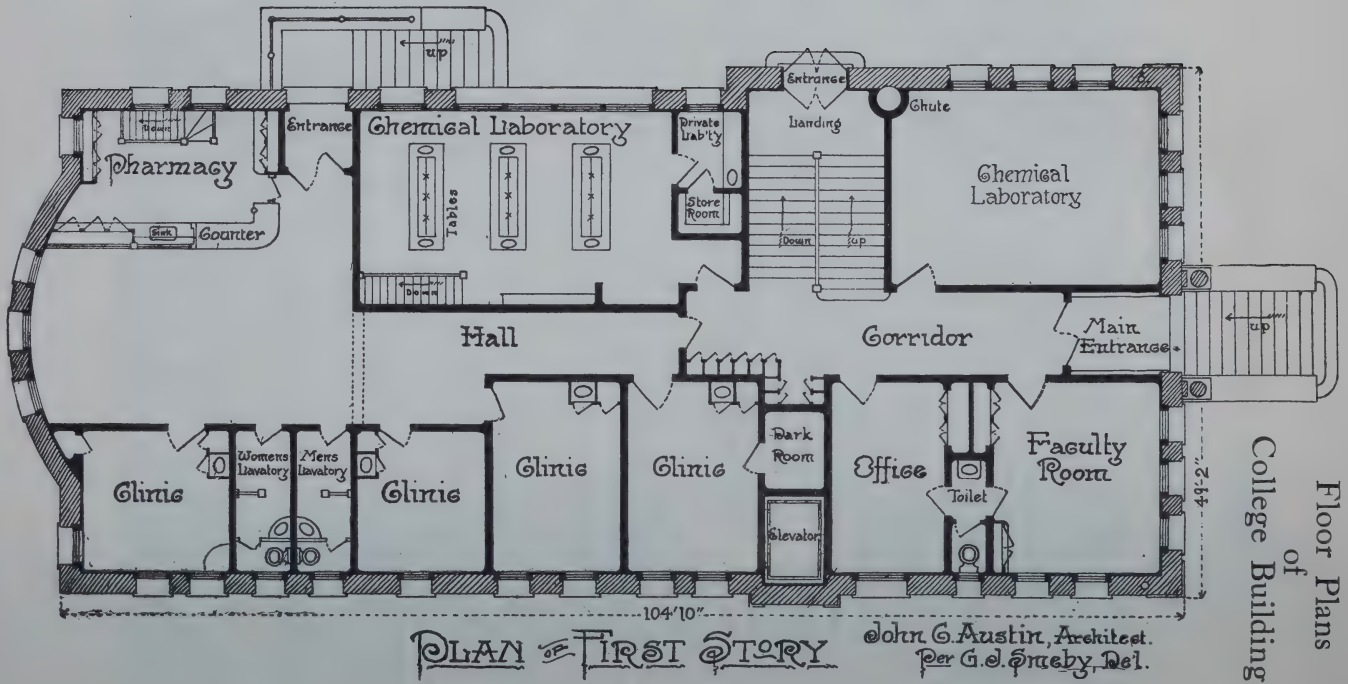
THE COLLEGE BUILDING

Located at 516 East Washington Street, in a charming section of Los Angeles, surrounded by splendid homes and easy of access, not on the outskirts of the city, nor yet too near the business center, is to be found the modern and commodious building of the COLLEGE OF PHYSICIANS AND SURGEONS. Our college building was designed, planned and erected especially for our use, and contains all of the elements of a modern and up-to-date college building. It is three-story, with basement, built of brick, with stone facings, and is practically fire-proof.

In the basement is located our instantaneous water heating system; a furnace which conveys heated air to each department, with apparatus for forcing cool and pure air into each room when needed; storage tanks for anatomical material; a receiving and preparation room for same; a clay modeling room for the use of the Anatomical Department; also a Gymnasium, well equipped, and with shower bath for the use of students.

On the first floor is located the College office, Faculty room, two Chemical laboratories, thoroughly equipped with all modern apparatus and appliances, Clinical Rooms for each department of medicine and surgery, Operating Room, Sterilizing Room, Clinic Waiting Room and Drug Room.

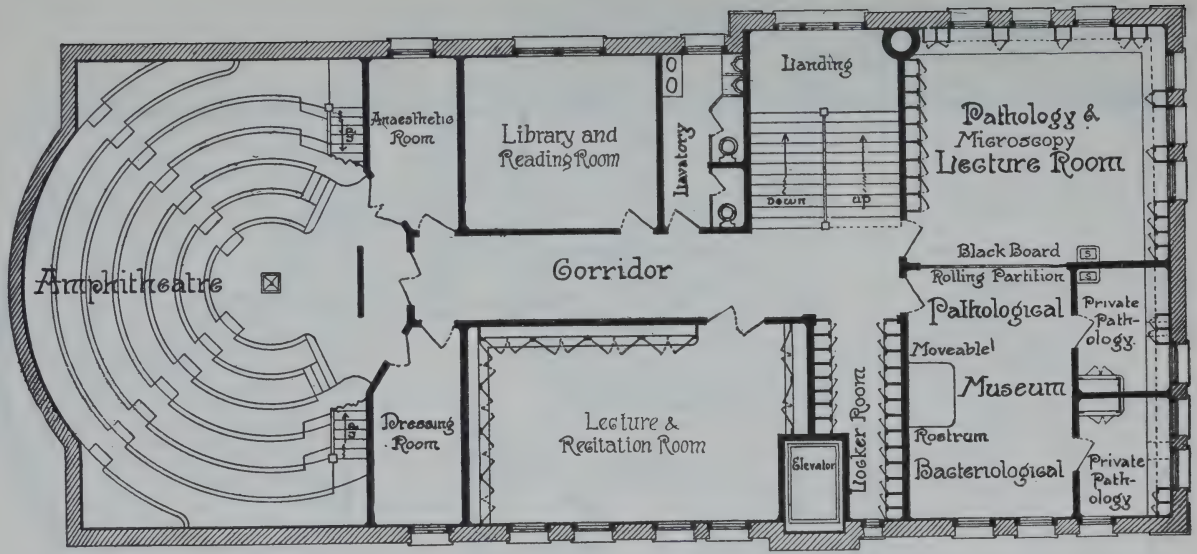
Located on the second floor are the Pathological, Bacteriological, Histological and Physiological laboratories, which have east, north and west exposures, affording an abundance of light, and are well heated and equipped with all modern appliances. Glass covered tables are arranged around the north and west exposures, and all the latest apparatus has been installed. Each student is supplied with microscope (Bausch and Lomb's), with oil immersion lens, for use when required. Private laboratories form a part of the main laboratory hall, thus affording opportunity for private research. On the second floor is also located one large amphitheatre, seated with two hundred modern opera chairs; one lecture hall seated with opera chairs; an Electro-Therapeutic room, equipped with Static Machine, X-Ray apparatus, and all necessary appliances; a chart room, supplied with imported charts, manikins, etc., arranged for use in various illustrative and didactic work; also a library and reading room, commodious, well lighted and ventilated, and arranged for the convenience and use of students. Many



PLAN OF FIRST STORY

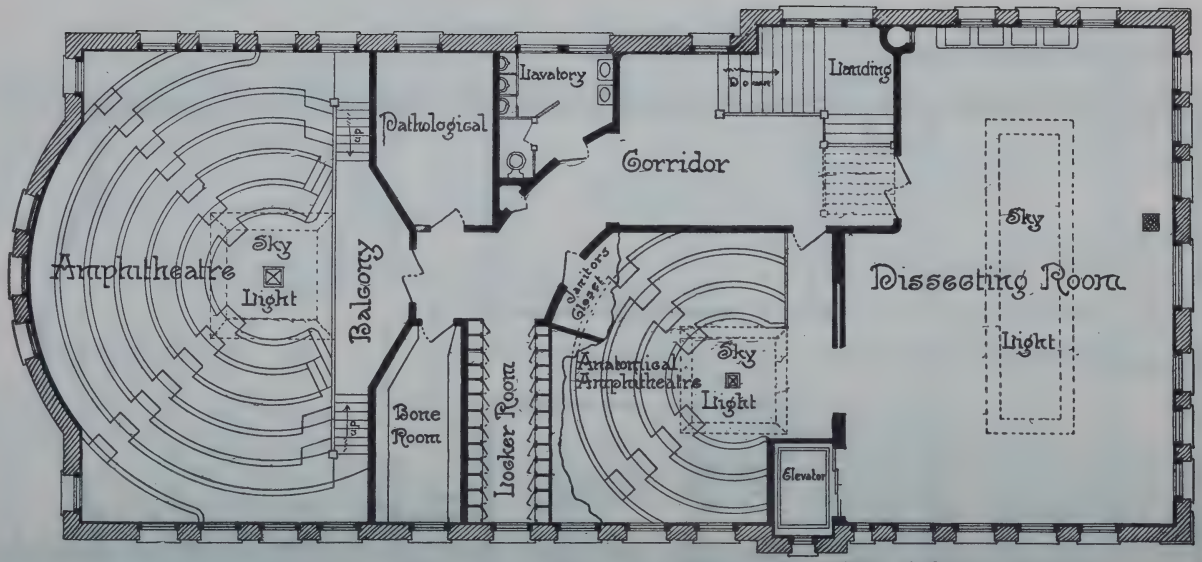
John G. Austin, Architect.
Per G. E. Smeby, Del.

Floor Plans of College Building



PLAN OF SECOND STORY

John G. Austin, Architect.
Per G. J. Smeby, Del.



PLAN OF THIRD STORY

John C. Austin, Architect.
Per C. J. Smeby, Del.

valuable volumes are found upon the library shelves, periodicals and journals are also there for the use of our students, and, upon the shelves of the College Museum may be found many rare and valuable Pathological specimens.

Much new apparatus has been added in the Physiologic and Electro-Therapeutic departments, stereopticon illustration is one of the leading features in our primary departments, and, in fact, no expense has been spared to most thoroughly equip this college with the latest and best paraphernalia and equipment for the teaching of modern medicine and surgery.

On the third floor is located our Anatomical Department, and it is most complete in every detail. Opening into our main Anatomical Department, by sliding doors, is our Anatomical amphitheatre, seated with opera chairs and arranged so that the most delicate operations and demonstrations upon the cadaver can be witnessed, a revolving table being used. A room on the third floor has been set apart and furnished for the exclusive use of women students in attendance in this College, and this den is sacred to them, that they may not be disturbed in whiling away time, with or without the regular grind of daily study. All these features, and many more, serve to make our equipment modern and up-to-date in every detail and, at the same time, provide for the comfort and the health of our teachers and students.

REQUIREMENTS

Requirements for Matriculation

The requirements for matriculation and entrance into this College have been placed high in order to conform to the requirements of the leading medical institutions of the country. The proper foundation for a thorough and comprehensive medical education must be builded before the student enters upon his medical course. This College does not deviate in the least from its bulletined requirements as set forth in this catalogue; therefore the prospective student, before applying for matriculation, should know that his preliminary qualifications are up to our standard of requirements, which are as follows:

(a) A baccalaureate degree from an accredited college or university.

(b) A diploma from an accredited high school, normal school, or academy, requiring for admission thereto evidence of the completion of an eight year course in the primary and intermediate grades, and for graduation therefrom not less than four years of study, embracing not less than two years (4 points) of Latin, or four years (8 points) of either high school French or German or its full equivalent, provided a satisfactory examination is passed in the elements of Latin grammar; two years (4 points) Mathematics, two years (4 points) English, one year (2 points) History, one year (2 points) of Physics, and six years (12 points) of further credit in Language, Literature, History or Science.

(c) In event of a student not having completed his full high school course, or of his having done special work in high school, college or academy, or in event of an applicant not being able to furnish satisfactory evidence of having completed a course of study necessary to acquire the required number of points in the different branches as above stated, he may be examined by the Examiner appointed by the Board of Medical Examiners of the State of California, whose certificate will be accepted by this College. This Examiner is a resident of this city, and this examination may be taken at any time previous to the student's matriculation. Examinations bearing upon the applicant's preliminary qualifications will in no event be conducted by any person or persons connected with this Faculty or with this in-

stitution, but must be conducted by the Examiner appointed by the Board of Medical Examiners of the State of California.

The minimum number of points required for matriculation will be thirty, to be made up of the following Required and Optional subjects. (In explanation it may be well to state that in designating the requirements in each subject as so many points, one point in any subject is equivalent to a high school or academic course of five periods per week of not less than 45 minutes each for eighteen weeks.)

A. REQUIRED: 16 Points.	Points
Mathematics—(minimum, 2 years; maximum, 3 years)	4
Algebra and Plane Geometry.	
English—(minimum, 2 years; maximum, 4 years)	4
(a) English Grammar;	
(b) Rhetoric and Composition.	
Latin—(minimum, [see (b)]; maximum, 4 years)	4
(a) Latin Grammar;	
(b) Latin Prose Composition;	
(c) Reading four books of Caesar, or equivalent.	
Physics—(1 year)	2
With laboratory work.	
History—1 year	2
Including Civics and Political Economy.	—
Total required	16

B. OPTIONAL: 14 Points.	
English Language and Literature—(2 years)	4
Only if taken after the required English.	
Language—German, French, Spanish or Greek (4 years)	2
Not less than one year in any one [see b].	
Advanced Mathematics—Solid Geometry and Trigonometry (one-half year each)	1
Natural Science (1 year)	2
Biology, 1 year, or Botany and Zoology, one-half year each.	
Physical Science—(1 year)	2
Chemistry.	
Earth Science	1
Physical Geography and Geology, one-half year each.	
Physiology and Hygiene (one-half year)	1
Astronomy (one-half year)	1
Drawing (one-half year)	1

Candidates who are not qualified for admission to the Department of Medicine, upon matriculation at the College of Liberal Arts of the University, may elect courses especially designed for those who plan to study medicine. These courses include Physics, Inorganic and Organic Chemistry, Zoology, Botany, Embryology, Bionomics, and should give the student that grasp on fundamental branches which is essential for a proper understanding of the medical course.

Course of Study

Each student is required to attend 80 per cent. of all exercises in every annual course of study for which he seeks credit. No student shall be given credit on examination unless he shall have attained a grade of at least 75 per cent. or its equivalent in any other marking system, and no student shall be graduated unless he shall have attained a passing grade on examination of at least 80 per cent. in each and all subjects taught and examined upon in this college.

The curriculum of study in this college is divided in a manner that enables the student to complete his minors, together with the majority of the laboratory courses, during the Freshman and Sophomore years, thus enabling the Junior and Senior students to avail themselves of the vast didactic, recitative and clinical work, which compose the last two years of the course in this institution.

The carrying and removal of conditions in all cases will be governed by the rules and regulations promulgated from time to time by the Association of American Medical Colleges and in conformity to the State Law of California. When not conflicting with these rules and regulations, it will be necessary in order that a student may advance from one grade to the succeeding or higher grade, that he pass at least all but two of the required examinations in the branches or subjects taught in that year, except passing from the Junior to the Senior year. Should he fail to pass the examinations at the beginning of the succeeding session, in the subjects in which he has been conditioned, as stated above, he may enter that class as a conditioned student for that one session only, and if he does not remove said conditions by the end of the session, he must repeat the work of the year imposing such conditions.

No student can, therefore, become a conditioned or an unconditioned member of the Sophomore class unless he has at least passed all but

two of the required Freshman year examinations when that year closes; nor of the Junior class unless he shall have passed the Freshman year examinations and, in addition, at least all but two of the Sophomore year examinations at the close of that year; nor of the Senior class unless he shall have passed all of the Freshman, Sophomore and Junior year examinations. This college does not permit the carrying of conditions into the Senior year.

This college reserves the right to refuse admission to any student or to terminate the attendance of any student, at any time for what may appear to the Dean and Judicial Council to be good and sufficient cause, as inefficiency, conduct unbecoming a gentleman, or conduct not conducive to the morale of the class or institution; also, to refuse a student the privilege of any special or final examination, for causes, as above stated.

Students will not be permitted to substitute private work in any branch for the regular college work prescribed in our curriculum, except under the direct supervision of an instructor designated or appointed by the Dean. Examinations will be conducted in such work done by the Professor to whose department it belongs; no markings nor credits from private instructors will be recognized by this college.

A student entering this college is not only supposed to, but will be required to conform to all rules and regulations of the college as promulgated from time to time by the Dean.

A student who is under suspension or expulsion from an accredited medical college, will not be matriculated in this institution without the written consent of the college imposing such.

A student defacing or injuring the property of this college will be required to make due reparation for same.

Advanced Standing

This college does not grant time credit to students holding a baccalaureate degree or a degree in Pharmacy or Dentistry, nor for time spent in any other than a regular recognized College of Medicine and Surgery—whose curriculum and course meet the requirements of the Association of American Medical Colleges; but we may grant the student subject credit for work done, providing, of course, satisfactory evidence of such work having been done is furnished; thereupon the student may avail himself of equivalent electives.

A student who has previously matriculated with and has spent time in another accredited medical college, recognized as such by this institution, will be required to present to the Dean of this college a statement from the Dean of the college he has attended, stating that he has paid all dues and fees due said college, that he is free from all charges or demerits of whatever nature, and that he has satisfactorily completed the course of study prescribed by the curriculum of said college; and provided that the entrance requirements of the college from which he presents his credentials were equivalent to those of the Association of American Medical Colleges at that time, and the course of study provided and set forth in each student year was equivalent to the requirements of this school; and provided, further, that the Judicial Council are satisfied with his credits and markings, taking into consideration his general average, which will include his percentage of attendance upon all lectures, recitations, laboratory work and clinics, then the student may enter upon his work in the succeeding grade, but before advanced standing will be granted him the Dean of this college will verify the student's credentials, and if found complete and satisfactory, credit for the work will be entered upon the records of this college; but such advancement will not exempt the student from the final examination requirements exacted of all students applying for a degree from this college.

A student presenting credentials and credits from another medical college, recognized by this college, should bear in mind the fact that such credentials must show that the credits were received in the regular way, and in the regular course of instruction; that said course must have been regular and in accordance with the requirements of the Association of American Medical Colleges, the California State Law and the Board of Medical Examiners of the State of California. No credit whatever will be allowed for time not actually spent in a regular recognized medical college.

A student who has attended one or more courses in an otherwise reputable medical college, but whose entrance requirements are not now equivalent to those of this institution, notwithstanding he may meet our class examination requirements, will not be granted advanced standing, unless the preliminary qualifications of said student were equivalent to the requirements of this college at the date of his matriculation with the college from which he comes.

Graduates of medical colleges, whose requirements were equivalent

to those prescribed by the Association of American Medical Colleges, and whose credentials are recognized by the Board of Medical Examiners of the State of California, will be admitted to the Senior class without examination, provided, however that the curriculum of study of the aforesaid college covered three full years, and provided also that the requirements for matriculation were equivalent to the requirements of the Association of American Medical Colleges at the time of his matriculation. Should, however, the college from which the applicant graduated have only prescribed and required at the time of his graduation a two-years' course, the applicant will be matriculated in the Junior year and be required to pursue the course outlined in our Junior year schedule, provided that the matriculant is working for a degree from this school, but not otherwise. Juniors and Seniors of this college are required to attend at least 80 per cent. of all clinics throughout the Junior and Senior years.

To graduates and students of reputable Colleges of Homeopathic or Eclectic Medicine will be granted time credits for as many years as they attended those colleges, provided they have met the previous requirements of the Association of American Medical Colleges, and they pass an examination in Materia Medica and Therapeutics, as prescribed by this college. All students admitted to advanced standing must show credentials of having passed regular examination in the branches taken in the year preceding the one they desire to enter, or pass such examination in this college.

Requirements for Graduation

The applicant for the degree of Doctor of Medicine must have fulfilled all the requirements, as set forth in this announcement, and other additional requirements that may be promulgated from time to time by this college.

1st. He must have attained the age of 21 years and bear a good moral character.

2nd. He must notify the Dean on or before the 1st day of April of the College year, in writing, of his intention to apply for, and to take the final examinations of this college; said application must be accompanied by the Examination fee, all previous college fees having been paid.

3rd. He must have previously met all the matriculation requirements of this college, must have attended at least four full courses of lectures, recitations, laboratory work, and clinics, in an accredited medical college, whose requirements are equal to those prescribed by this college, no two courses having been done in the same year, the last course of which must have been in this college. If the student has attended courses in another Medical College, recognized by this institution, he must satisfy the Judicial Council, through the Dean, regarding his standing and his proficiency in the branches completed, either by examination or otherwise as the Judicial Council may elect.

4th. He must have completed the required courses in all the departments of the college, and his percentage of attendance must be at least 80 per cent. in all departments, and his percentage of proficiency on examination must not be less than 80 per cent. in all the branches indicated in our curriculum.

5th. He must be present at the time and place scheduled by the Dean for final examinations, and his absence from an examination in a given department will indicate failure in that department, and will be entered as such against the student.

6th. He must undergo a written final examination, or both written and oral, if required, in all departments; each paper must be written in English; and penmanship, orthography, punctuation, general style and characteristics of each paper will be considered.

7th. He must be free from demerit marks, must have discharged all conditions in each and every department and must be present at the Commencement Exercises, unless excused in writing by the Dean.

Combined Six Year Course for Degree of A. B. and M. D.

Students who have matriculated in the College of Liberal Arts of the University and who plan to study medicine, may so combine the four-year course for the A. B. degree with the four-year course for the M. D. degree as to take both degrees in six years.

Combined Course for the Degree of A. M. and M. D.

Students holding the A. B. degree from recognized colleges and who enter the Freshman class of the College of Physicians and Surgeons, may matriculate at the Graduate School of the University, thus becoming candidates for the A. M. degree. Registration at the Graduate School may be made any time before the opening of the Junior year. The candidate pursues advanced study along some special line and submits a thesis embodying original research. The degree of Master of Arts is given to the candidate upon the completion of the requirements for the advanced degree.

FACILITIES FOR INSTRUCTION

The Faculty and the general teaching staff of the College of Physicians and Surgeons have been selected with scrupulous care and comprise many of the ablest teachers and leading medical men and women in the West. The instructors in each department have been selected upon their merits, each instructor working along his chosen line. This college lays much stress upon its laboratory equipment and the thoroughness of its laboratory courses. Much valuable apparatus was added the past year and more is added from time to time as needed, and when our 1911-12 term opens on the 13th of September, modern appliances for the teaching of modern and up-to-date medicine will rank this college with the leading schools of the country. Two large and thoroughly equipped laboratories for the teaching of Chemistry, Pharmacology and Physiology, one of the most modern laboratories for work in Pathology, Bacteriology and Histology, together with private laboratories for special and research work, all thoroughly equipped, also one of the most modern anatomical departments with ample material, make this school the pride of its founders and friends, and a worthy department of the University of which the College of Physicians and Surgeons is an integral part. But laboratory facilities and equipment alone are not sufficient for a thorough course in these departments. Laboratories must be manned by competent and experienced teachers and instructors, and in this college the laboratories are in charge of paid instructors, noted for their ability as teachers in their respective departments.

The College Clinic

From 1 to 2 p. m. each day, excepting Sundays and holidays, the College Dispensary is open to the needy poor, and the Dispensary Staff of the college, composed of carefully selected professional men and women, give their very best services to those applying for treatment, and, as the College of Physicians and Surgeons is located in a decidedly well-to-do neighborhood, therefore the clinics in this institution are of a decidedly high order, capable of giving a complete case history, which enables the teacher and student to carefully study each case in detail and note from time to time the effect of therapeutic measures. Material coming to this clinic is ample and of splendid quality.

The County Hospital Clinic

The Los Angeles County Hospital, the most extensive, modern and up-to-date county charity institution in the West, with over five hundred beds, detention wards for the insane, modern medical, surgical and contagious wards and departments, where all manner of surgical and medical cases may be studied and observed, offers rare and ample opportunities for the study of not only the ordinary diseases and conditions usually met with in other large hospitals, but also rare tropical and semi-tropical diseases that drift into Los Angeles through our seaport, the gateway of entrance from Panama, Hawaii, the Philippines, etc., the study of the diseases indigenous to which is most necessary at this time. Many interesting cases are daily met with here, which afford unusual opportunities for research work, and it is the policy of the clinical and laboratory staffs in this college to foster and to assist students along these lines of work. The advantages to the student here consist not merely in his walking through the wards, observing patients, with an occasional opportunity to examine, but the Senior and Junior classes are divided into sections and these sections of two or three students are allotted cases each week and are required to examine and diagnose by the latest and best known laboratory and clinical tests, write histories covering the etiological factors of each disease and outline the treatment and management of given cases throughout the different stages. This does not, however, end the student's interest in the case, which must be followed to convalescence or to autopsy, in which event, the pathological findings are recorded and reported upon by the section in charge of the case, the efficiency, or otherwise, of work thus done being noted.

The opportunities for the study and observation of acute Surgery are abundant, many cases being sent in from the City Hospital after first aid is given, and hundreds of cases being taken direct to the hospital for first aid and subsequent treatment. The Ambulatory Surgical clinic is unexcelled, and the Detention Wards afford a rich field for the study of the various forms of neurotic cases and conditions. Students in this college are required to serve their time in each and all of the various departments of this hospital, which offer so rich a field for clinical experience.

Hospital Positions

Internships and appointments in hospitals throughout the city and in surrounding towns are available to graduates from this college; in fact, in the past we have been unable to fill the positions open to appointments.

College Fees

Matriculation Fee (paid but once)	$ 5.00
Tuition Fee (payable in advance), per year	150.00
Final Examination Fee, Senior Year (not returnable)	25.00

A deposit of $10.00 is required of all students to cover breakage and damage to buildings and equipment. The unexpended balance is refunded at the close of the year.

A rental of $5.00 for microscope and $2.00 for immersion lens is charged each year for their use in Histology, Embryology, Bacteriology, Microscopy and Pathology. The student will be charged for all breakage in any of the laboratories.

These fees are payable in advance each year. If not paid within four weeks of the beginning of the course, the right to attend lectures may be forfeited, and no student will be permitted to take an examination who is in arrears for fees, and no advanced standing whatever will be given a student under such conditions.

Places of Association, Recreation and Amusement

The students of medicine in this college, as in other medical institutions throughout the country, come from the various walks of life. By this we mean environmental influences; therefore, each seeks for himself a continuation or renewal of those environments which have shapened his habits and moulded his methods of life, as it were. This city affords, in abundance, opportunities for individual gratifications. Churches of all creeds and denominations are here in plenty, the Y. M. C. A. is strong and influential and extends a cordial welcome to young men who seek the refining influences of this splendid association. The Y. W. C. A., working along the same lines, is ever ready and anxious to serve the young woman who may wish to have thrown about her a Christian influence and a friendship that does much to

assist, to shield and to protect. Then, on the other hand, we have clubs, social and political; lodges and societies of all kinds; high class theaters and places of amusement; and, in fact, all things that serve to relieve the student mind at times from the strain and grind of college work, all of which are necessary and right, when properly indulged in.

Expense of Living in Los Angeles

The student can live in Los Angeles as in other large cities, moderately or extravagantly, according to his means or his habits of life. Good room and board near the college may be had for $20.00 per month.

How to Reach the College

Upon arrival in the city, go directly to the office of the Dean, Dr. Charles W. Bryson, Delta Building, 426 South Spring street, make known your wishes and present your credentials. You will receive the most courteous treatment, and full information will be given you on all subjects pertaining to the college, either by the Dean in person or his secretary. The Clerk of the College will be instructed to assist you in selecting suitable quarters, and each member of the Faculty, as well as many students of the school, will endeavor to make you feel at home. The term opens promptly on the 13th of September, in all departments, and there is no waste of time until Commencement Day, the 13th of June.

Address all communications relative to college matters, applications for catalogues, etc., etc., to the Dean,

DR. CHARLES W. BRYSON,
401-404 Delta Building, Los Angeles, California.

FRESHMAN YEAR

COLLEGE OF PHYSICIANS AND SURGEONS

Medical Department University of Southern California

SESSION 1911-1912

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9		Materia Medica Lect. and Lab. As. Prof. Petter		Chemistry Lecture Prof. Wagner		Materia Medica Lect. and Lab. As. Prof. Petter
9-10	Physiology Lecture Prof. Stookey	Chemistry Lecture Prof. Wagner	Physiology Lecture Prof. Stookey	Chemistry Laboratory Prof. Wagner	Physiology Lecture Prof. Stookey	Chemistry Laboratory Prof. Wagner
10-11	Physiology Laboratory Prof. Stookey	Chemistry Laboratory Prof. Wagner	Physiology Laboratory Prof. Stookey	Chemistry Laboratory Prof. Wagner	Physiology Laboratory Prof. Stookey	Chemistry Laboratory Prof. Wagner
11-12	Physiology Laboratory Prof. Stookey	Chemistry Laboratory Prof. Wagner	Physiology Laboratory Prof. Stookey	Chemistry Laboratory Prof. Wagner	Physiology Laboratory Prof. Stookey	Chemistry Laboratory Prof. Wagner
1-2	Anatomy Lecture Prof. White		Histology Laboratory Prof. Leonard	Histology Laboratory Prof. Leonard	Anatomy Lecture Prof. White	
2-3	Anatomy Lecture Prof. White		Histology Laboratory Prof. Leonard	Histology Laboratory Prof. Leonard	Comp. Anat. Lecture As. Prof. Ulrey	
3-4	Histology Lecture Prof. Leonard	Anatomy Lecture Prof. White	Anatomy Recitation Prof. White	Dissection	Dissection	
4-5	Dissection	Anatomy Lecture Prof. White	Dissection	Dissection	Dissection	
5-6	Dissection	Histology Recitation Prof. Leonard	Dissection	Dissection	Dissection	

College of Physicians and Surgeons

Medical Department

University Southern California

516 East Washington Street

LOS ANGELES
CALIFORNIA

SCHEDULE OF CURRICULUM

1911–1912

SCHEDULE OF CURRICULUM

SESSION 1911-12

FRESHMAN YEAR SCHEDULE

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8–9	Physiology	Anatomy Lecture	Physiology	Anatomy Lecture	Physiology	Anatomy Lecture
9–10		Chemistry		Chemistry		Anatomy Recitation Sect. A, B, C
10–11	Anatomy Laboratory Section A					Chemistry
11–12			Chemistry		Pharmacology	
1–2	Anatomy Recitation Sect. A, B, C	Anatomy Laboratory Section B	Comparative Anatomy	Anatomy Laboratory Section A	Anatomy Laboratory Section B	
2–3	Histology Laboratory		Histology Laboratory			
3–4		Histology Recitation		Histology Recitation	*	
4–5	Materia Medica	*	*	*	Materia Medica	
5–6	*				*	

Anatomy: Prof. H. O. White; Assoc. Profs. Burton, Durfee, Rooney, Criley, Ulrey.
Physiology: Prof. L. B. Stookey.
Chemistry: Prof. A. F. Wagner; Assoc. Prof. Wetherby.
Histology: Prof. E. Leonard; Instructor Gardner.
Materia Medica: Assoc. Prof. Petter.
Pharmacology Dr. Van Dyke.
Dissections will be announced.
* For recitation, review and extra work in different departments. To be announced.

SOPHOMORE YEAR SCHEDULE

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8–9	Anatomy Lecture	Physiology —Lecture	Bacteriology	Physiology —Lecture	Chemistry	Physiology —Lecture
9–10	Bacteriology	—Laboratory		—Laboratory		—Laboratory
10–11		—Laboratory	Anatomy Laboratory Section A	—Laboratory	Anatomy Laboratory Section B	—Laboratory
11–12	Pharmacology	Anatomy Lecture		Anatomy Lecture		Anatomy Lecture
1–2	Embryology	Pathology Laboratory	Anatomy Recitation Sections A, B, C	Pathology Laboratory	Embryology	Anatomy Recitation Sections A, B, C
2–3	Pathology Recitation		Pathology Recitation		Bacteriology Lecture	
3–4	*	Anatomy Laboratory Section A	Chemistry	Anatomy Laboratory Section B	General Medical Diagnostics	
4–5	Materia Medica				Materia Medica	
5–6	*	Minor Surg. and Bandaging		Chemistry Lecture	Minor Surg. and Bandaging	

Anatomy: Prof. H. O. White; Assoc. Profs. Burton, Durfee, Rooney, Criley, Ulrey.
Physiology: Prof. L. B. Stookey.
Chemistry: Prof. A. F. Wagner; Assoc. Prof. Wetherby.
Embryology: Prof. E. Leonard.
Pathology: Prof. E. Leonard; Instructor Gardner.
Materia Medica: Assoc. Prof. Petter.
Pharmacology: Dr. Van Dyke.
General Medical Diagnostics: Instructor Carter.
Minor Surgery and Bandaging: Assoc. Prof. Criley.
Dissections will be announced.
* For recitation, review and extra work in different departments. To be announced.

JUNIOR YEAR SCHEDULE

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8–9	Gynecology Co. Hosp. Clinic Prof. Bryson	Pathological Chemistry Prof. Wagner	Therapeutics Prof. Kruell	Surgery Co. Hosp. Clinic Prof. Witherbee	Medicine Co. Hosp. Clinic Prof. Wright	Ophthalmology Lecture Prof. McCoy
9-10		Obstetrics Lecture Prof. Johnson	Medicine Lecture Prof. Wright Tropical Medicine Prof. Gwaltney			Obstetrics Lecture Prof. Johnson
10–11	Physical Diagnosis Co. Hosp. Clinic As. Prof. Herbert	Physical Diagnosis Lecture As. Prof. Herbert	Surgery Lecture Prof. Seymour	Physical Diagnosis Co. Hosp. Clinic As. Prof. Herbert	Surgery Co. Hosp. Clinic Prof. Seymour	Mental and Nervous Diseases Lecture Prof. Fisher
11–12	Medicine Co. Hosp. Clinic As. Prof. Weber	Surgery Lecture Prof. Witherbee		Mental and Nervous Diseases Co. Hosp. Clinic Prof. Fisher		Physiological Dietetics Lecture Prof. Stookey
1–2	College Clinic	College Clinic	College Clinic	College Clinic	College Clinic	College Clinic
2–3	Therapeutics Lecture As. Prof. E. D. Jones	Neurology Lecture As. Prof. Manger	Quizz and Review Different Departments	Therapeutics Lecture As. Prof. E. D. Jones	Special Pathology Laboratory Prof. Leonard	
3–4	Quizz and Review	Quizz and Review Different Departments	Medicine Lecture As. Prof. Weber	Special Pathology Laboratory Prof. Leonard		
4–5	Orthopedic Surgery Lecture Dr. Pahl	Medicine Lecture—As. Prof. Hanlon	Medicine Quizz Dr. Carter	Pediatrics Prof. Yost	Fractures and Dislocations As. Prof. Still	
5–6	Gynecology Lecture As. Prof. Southworth	Surg. App. Anatomy Lecture As. Prof. Burton	Gynecology Lecture As. Profs. Southworth or W. H. Jones	Electro-Ther. Lecture Dr. Kinney	Medicine As. Prof. Weber	

SENIOR YEAR SCHEDULE

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Gynecology and Abdominal Surg. Co. Hosp. Clinic Prof. Bryson	Gynecology and Abdominal Surg. Lecture Prof. Bryson	Therapeutics Prof. Kruell	Surgery Co. Hosp. Clinic Prof. Witherbee	Medicine Co. Hosp. Clinic Prof. Wright	Gynecology and Abdominal Surg. Lecture Prof. Bryson
9–10		Obstetrics Lecture Prof. Johnson	Medicine Prof. Wright Tropical Medicine Prof. Gwaltney			Obstetrics Lecture Prof. Johnson
10–11	Medicine Co. Hosp. Clinic Prof. Gwaltney	Pediatrics Lecture Prof. Yost	Surgery Lecture Prof. Seymour	Medicine Co. Hosp. Clinic As. Prof. Hanlon	Surgery Co. Hosp. Clinic Prof. Seymour	Mental and Nervous Diseases, Lecture Prof. Fisher
11–12	Medicine Co. Hosp. Clinic As. Prof. Weber	Surgery Lecture Prof. Witherbee		Mental and Nervous Dis. Co. Hosp. Clinic Prof. Fisher		G. U. Diseases Lecture As. Prof. Horton
1–2	College Clinic	College Clinic	College Clinic	College Clinic	College Clinic	College Clinic
2–3	Therapeutics As. Prof. E. D. Jones	Dermatology As. Prof. Davidson	Clinical Microscopy Prof. Leonard	Therapeutics As. Prof. E. D. Jones	Quizz and Review Diff. Depts.	
3–4	Quizz and Review	Neurology As. Prof. Manger	Medicine As. Prof. Weber	Quizz and Review Diff. Depts.	Quizz and Review Diff. Depts.	
4–5	Orthopedic Surgery Lecture Dr. Pahl	Otology Lecture Prof. Zuill	Medicine Lecture As. Prof. Hanlon	Bacteriology Laboratory Prof. Wagner	Rhinology and Laryngology As. Prof. Lund	
5–6	State Medicine and Hygiene Lecture Dr. Ragland	Medical Jurisprudence Lecture	Medicine * History of Med. Med. Economics Life Ins. Exam.	State Medicine and Hygiene Dr. Ragland	Medicine As. Prof. Weber	

*Part of First Semester: Dr. Browning: General management and treatment of tuberculosis—Culture Products.

Second Semester: History of Medicine, Medical Economics, Life Insurance Examination will be given —announcements will be made.

FACULTY AND OFFICERS OF ADMINISTRATION

SENIOR FACULTY

GEORGE F. BOVARD, A.M., D.D., LL.D.
35th St. and University Ave.
President of the University.

CHARLES WILLIAM BRYSON, A.B., M.D.
401-4 Delta Bldg.
Dean of the Department of Medicine, and Professor of Gynecology, Abdominal and Clinical Surgery.

JAMES HARVEY SEYMOUR, M.D.
310-311 Grant Bldg.
Member of the Judicial Council and Professor of Surgery and Clinical Surgery.

WALTER SYDNEY JOHNSON, A.B., M.D.
303-304 W. P. Story Bldg.
Secretary-Treasurer of Department of Medicine and Professor of Obstetrics.

ORVILLE O. WITHERBEE, M.D.
606 Auditorium Bldg.
Professor of Surgery and Clinical Surgery.

LYMAN BRUMBAUGH STOOKEY, A.M., Ph.D.
335 Consolidated Realty Bldg.
Professor of Physiology.

JAMES TUCKER FISHER, M.D.
603-608 Wright & Callender Bldg.
Professor of Neurology and Psychiatry.

THOMPSON B. WRIGHT, A.M., M.D.
Kinney-Kendall Bldg, Pasadena, Cal.
Professor of Medicine.

SYLVESTER GWALTNEY, B.S., M.D.
717 Grosse Bldg.
Professor of Clinical Medicine.

FRANCIS OLIVER YOST. M.D.
2831 North Broadway.
Professor of Pediatrics.

WILLIAM LEANDER ZUILL, M.D.
403-404 Delta Bldg.
Professor of Otology, Laryngology and Rhinology

FREDERICK JOHN KRUELL, Ph.G., M.D.
1021 E. Washington St.
Professor of Materia Medica and Therapeutics.

THOMAS JEFFERSON McCOY, M.D.
636 Security Bldg.
Professor of Ophthalmology.

HARRY OSCAR WHITE, M.D.
516 E. Washington St.
Professor of Anatomy.

ANDREW FREMONT WAGNER, A.M., M.D.
1074 N. Los Robles Ave., Pasadena, Cal.
Professor of Chemistry and Bacteriology.

ETHEL LEONARD, B.S., M.D.
335 Consolidated Realty Bldg.
Professor of Histology and Pathology, and Instructor in Embryology.

ASSOCIATE FACULTY

ROBERT HENRY BURTON, M.D.
408-409 Grosse Bldg.
Associate Professor of Surgical Applied Anatomy.

RAPHAEL BURKE DURFEE, M.D.
308 Fay Bldg.
Associate Professor of Anatomy.

ALBERT B. ULREY, A.M.
1435 W. Twenty-third St.
Associate Professor of Comparative Anatomy.

GEORGE JESSE LUND, M.D.
414-417 Auditorium Bldg.
Associate Professor of Otology, Laryngology and Rhinology.

WILLIAM HARRIMAN JONES, A.B., M.D.
Stafford Bldg., Long Beach, Cal.
Associate Professor of Gynecology.

HENRY MICHAEL ROONEY, A.B., M.D.
606 Auditorium Bldg.
Associate Professor of Anatomy.

JOHN JAY STILL, M.D.
301 Douglas Bldg.
Associate Professor of Fractures and Dislocations

WARREN NICHOLS HORTON, M.D.
717 Grosse Bldg.
Associate Professor of Genito-Urinary Diseases.

GEORGE WASHINGTON McCOY, A. M., M. D.
636 Security Bldg.
Associate Professor of Ophthalmology.

REGINALD S. PETTER, M.D.
851½ S. Central Ave.
Associate Professor of Materia Medica.

HENRY HERBERT, M.D.
413-415 Grosse Bldg.
Associate Professor of Medicine.

LOUIS WEBER, B.S., M.D.
510-514 Lissner Bldg.
Associate Professor of Medicine.

ANSTRUTHER DAVIDSON, C.M., M.B., M.D.
544-546 Wilcox Bldg.
Associate Professor of Dermatology.

CLARENCE HOLMES CRILEY, Ph.B., M.D.
404 Auditorium Bldg.
Associate Professor of Anatomy.

EDWARD DOUGLASS JONES, M.D.
3146 Vermont Ave.
Associate Professor of Therapeutics.

EDWARD WILLIAM HANLON, M.D.
510 Lissner Bldg.
Associate Professor of Medicine and Lecturer on Diseases of Digestive Organs.

CHARLES C. BROWNING, M.D.
1004 W. P. Story Bldg.
Associate Professor of Clinical Medicine.

HENRY E. SOUTHWORTH, M.D.
Wright & Callender Bldg.
Associate Professor of Gynecology.

CHARLES C. MANGER, M.D.
504-505 Ferguson Bldg., 3rd and Hill Sts.
Associate Professor of Neurology.

L. F. WETHERBY, Ph.D.
35th St. and University Ave.
Associate Professor of Chemistry.

PETER C. REMONDINO, M.D.
San Diego, Cal.
Lecturer on History of Medicine and Medical Bibliography.

DALLAS CASE RAGLAND, M.D.
405 Delta Bldg.
Lecturer on State Medicine and Hygiene.

H. WILSON LEVENGOOD, M.D.
Marine and Ocean Front, Ocean Park, Cal.
Lecturer on Medicine.

P. C. H. PAHL, M.D.
518 Consolidated Realty Bldg.
Lecturer on Orthopedic Surgery.

H. E. MACDONALD, M.D.
Home Office Medical Examiner, Pacific Mutual Life Ins. Co., City.
Lecturer on Life Insurance Examination.

WILLIAM ELMER CARTER, M.D.
402 Lissner Bldg.
Instructor in Medicine.

FRANCIS EARL BROWN, A.B., M.D.
410-416 Wright & Callender Bldg.
Instructor in Medicine.

EARLE M. BROWN, B.S., M.D.
1064 W. Seventh St.
Instructor in Clinical Medicine.

HARVEY SMITH, M.D.
1003-5 Walter P. Story Bldg.
Instructor in Clinical Medicine.

DONALD GEORGE TURNBULL, M.D.
Auditorium Hotel, City.
Instructor in Bacteriology.

PLACIDA GARDNER, A.B., M.D.
932 W. Twentieth St.
Instructor in Histology and Pathology.

LYELL CARY KINNEY, M.D.
614 Pacific Electric Bldg.
Instructor in Electro-therapeutics and Roentgenology.

HOWARD MUNRO, M.D.
509-510 Union Trust Bldg.
Instructor in Medicine.

SOPHOMORE YEAR

COLLEGE OF PHYSICIANS AND SURGEONS

Medical Department University of Southern California

SESSION 1911-1912

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Chemistry Lecture Prof. Wagner	Materia Medica Lect. and Lab. As. Prof. Petter	Chemistry Lecture Prof. Wagner	Physiology Lecture Prof. Stookey	Chemistry Lecture Prof. Wagner	Materia Medica Lect. and Lab. As. Prof. Petter
9-10	Chemistry Laboratory Prof. Wagner	Physiology Lecture Prof. Stookey	Chemistry Laboratory Prof. Wagner	Physiology Laboratory Prof. Stookey	Chemistry Laboratory Prof. Wagner	Physiology Recitation Prof. Stookey
10-11	Chemistry Laboratory Prof. Wagner	Physiology Laboratory Prof. Stookey	Chemistry Laboratory Prof. Wagner	Physiology Laboratory Prof. Stookey	Bacteriology Laboratory Prof. Wagner	Physiology Recitation Prof. Stookey
11-12	Chemistry Laboratory Prof. Wagner	Physiology Laboratory Prof. Stookey	Chemistry Laboratory Prof. Wagner	Physiology Laboratory Prof. Stookey	Bacteriology Laboratory Prof. Wagner	Minor Surgery and Bandaging As. Prof. Criley
1-2	Pathology Lecture Prof. Leonard	Embryology Laboratory Prof. Leonard	Anatomy Lecture Prof. White	Anatomy Lecture Prof. White	Embryology Laboratory Prof. Leonard	
2-3	Pathology Laboratory Prof. Leonard	Minor Surgery and Bandaging As. Prof. Criley	Anatomy Recitation Prof. White	Anatomy Lecture Prof. White	Anatomy Recitation Prof. White	
3-4	Anatomy Lecture Prof. White	Dissection	Pathology Lecture Prof. Leonard	Dissection	General Medical Diagnostics .. Dr. Carter	
4-5	Bacteriology Laboratory Prof. Wagner	Dissection	Pathology Laboratory Prof. Leonard	Dissection	Bacteriology Laboratory Prof. Wagner	
5-6	Bacteriology Lecture Prof. Wagner	Dissection	Pathology Laboratory Prof. Leonard	Embryology Lecture Prof. Leonard	Bacteriology Lecture Prof. Wagner	

JUNIOR YEAR

COLLEGE OF PHYSICIANS AND SURGEONS

SESSION 1911–1912

Medical Department University of Southern California

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Gynecology Co. Hosp. Clinic Prof. Bryson	Pathological Physiology Lecture Prof. Stookey	Therapeutics Lecture Prof. Kruell	Surgery Co. Hosp. Clinic Prof. Witherbee	Gynecology Co. Hosp. Clinic Prof. Bryson	Ophthalmology Lecture Prof. McCoy
9-10	Surgery Co. Hosp. Clinic Prof. Seymour	Obstetrics Lecture Prof. Johnson	Medicine Lecture Prof. Wright	Surgery Co. Hosp. Clinic Prof. Witherbee	Surgery Co. Hosp. Clinic Prof. Seymour	Obstetrics Lecture Prof. Johnson
10-11	Physical Diagnosis Co. Hosp. Clinic As. Prof. Herbert	Physical Diagnosis Lecture As. Prof. Herbert	Surgery Lecture Prof. Seymour	Physical Diagnosis Co. Hosp. Clinic As. Prof. Herbert	Medicine Co. Hosp. Clinic Prof. Wright	Mental and Nervous Diseases Lecture Prof. Fisher
11-12	Medicine Co. Hosp. Clinic As. Prof. Weber	Surgery Lecture Prof. Witherbee	Surgery Lecture Prof. Seymour	Mental and Nervous Diseases Co. Hosp. Clinic Prof. Fisher	Medicine Co. Hosp. Clinic Prof. Wright	Physiological Dietetics Lecture Prof. Stookey
1-2	Clinics Daily in All Departments					
2-3	Therapeutics Lecture As. Prof. E. D. Jones	Neurology Lecture As. Prof. Manger	Medicine Co. Hosp. Clinic	Therapeutics Lecture As. Prof. E. D. Jones	Medicine Lecture As. Prof. Hanlon	
3-4	Medicine Lecture Dr. Brown	Pathology Laboratory As. Prof. Leonard	Medicine Co. Hosp. Clinic	Pathology Lecture Prof. Leonard	Gynecology Lecture Assoc. Prof. W.Harriman Jones	
4-5	Orthopedic Surgery Lecture Dr. Pahl	Pathology Lecture Prof. Leonard	Medicine Co. Hosp. Clinic	Clinical Microscopy Lect. and Lab.	Fractures and Dislocations As. Prof. Still	
5-6	Gynecology Lecture As. Prof. Southworth	Pediatrics Lecture Prof. Yost	Medicine Co. Hosp. Clinic	Electro-Ther. Lecture Dr. Kinney	Surgical Applied Anatomy Lecture As. Prof. Burton	

SENIOR YEAR

COLLEGE OF PHYSICIANS AND SURGEONS

Medical Department University of Southern California

SESSION 1911-1912

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Gynecology and Abdominal Surgery Co. Hosp. Clinic Prof. Bryson	Gynecology and Abdominal Surgery Lecture Prof. Bryson	Therapeutics Lecture Prof. Kruell	Surgery Co. Hosp. Clinic Prof. Witherbee	Gynecology and Abdominal Surgery Co. Hosp. Clinic Prof. Bryson	Gynecology and Abdominal Surgery Lecture Prof. Bryson
9-10	Surgery Co. Hosp. Clinic Prof. Seymour	Obstetrics Lecture Prof. Johnson	Medicine Lecture Prof. Wright	Surgery Co. Hosp. Clinic Prof. Witherbee	Surgery Co. Hosp. Clinic Prof. Seymour	Obstetrics Lecture Prof. Johnson
10-11	Medicine Co. Hosp. Clinic Prof. Gwaltney	Tropical Medicine Lecture Prof. Gwaltney	Surgery Lecture Prof. Seymour	Medicine Co. Hosp. Clinic As. Prof. Hanlon	Medicine Co. Hosp. Clinic Prof. Wright	Mental and Nervous Diseases Lecture Prof. Fisher
11-12	Medicine Co. Hosp. Clinic As. Prof. Weber	Surgery Lecture Prof. Witherbee	Surgery Lecture Prof. Seymour	Mental and Nervous Diseases Co. Hosp. Clinic Prof. Fisher	Medicine Co. Hosp. Clinic Prof. Wright	Dermatology Lecture As. Prof. Davidson
1-2	Clinics Daily in All Departments					
2-3	Therapeutics Lecture As. Prof. E. D. Jones	Pathology Prof. Leonard	Medicine Co. Hosp. Clinic	Therapeutics Lecture As. Prof. E. D. Jones	Pathology Laboratory Prof. Leonard	
3-4	Medicine Lecture Dr. Brown	Neurology Lecture As. Prof. Manger	Medicine Co. Hosp. Clinic	History of Medicine Lecture Dr. Remondino	Bacteriology Laboratory Prof. Wagner	
4-5	Orthopedic Surgery Lecture Dr. Pahl	Otology Lecture Prof. Zuill	Medicine Co. Hosp. Clinic	Medical Jurisprudence Lecture	Rhinology and Laryngology Lecture As. Prof. Lund	
5-6	G. U. Diseases Lecture As. Prof. Horton	Pediatrics Lecture Prof. Yost	Medicine Co. Hosp. Clinic	Electro-Ther. Lecture Dr. Kinney	State Medicine and Hygiene Lecture Dr. Ragland	

SUMMARY OF CURRICULUM

College of Physicians and Surgeons, Medical Department University of Southern California, Los Angeles, California, Session 1911-12

Thirty-six Teaching Weeks	First Year		Second Year		Third Year			Fourth Year			Entire Course			Total Each Branch
	Lectures and Recitations	Laboratory	Lectures and Recitations	Laboratory	Lectures and Recitations	Laboratory	Clinic	Lectures and Recitations	Laboratory	Clinic	Lectures and Recitations	Laboratory	Clinic	
Anatomy	216		216											
Comparative An.	36													
Dissections		360		180							504	540		1044
Surg. Applied An.					36									
Chemistry and	144	216	144	216										
Toxicology											288	432		720
Physiology	108	216	108	216							216	432		648
Histology	72	144									72	144		216
Embryology			36	72							36	72		108
Materia Medica	36	36	36	36										
Therapeutics					108			108			288	72		360
Bacteriology			72	144				18	18		90	162		252
Pathology			72	108	36	72		36	36		144	216		360
Clinical Microscopy					18	18					18	18		36
Physiol. Dietetics					36						36			36
Pathological Phys.					36						36			36
Gynecology and Abdominal Surgery					72		72							
								72		72	144		144	288
Surgery					108		180	108		180				
Minor Surg. and Bandaging			72											
Fractures and Dislocations					36									
Orthopedic Surgery					36			36			396		360	756
Medicine					108		252	72		324				
Gen. Med. Diagnostics			36											
Physical Diagnosis					36		72							
Tropical Medicine								36			288		648	936
Obstetrics					72		36	72		36	144		72	216
Pediatrics					36		72	36		36	72		108	180
State Medicine and Hygiene								36			36			36
Ophthalmology					36		36				36		36	72
Otology, Laryngology and Rhinology							36	72		36	72		72	144
Mental and Nervous Diseases					72		36	72		36	144		72	216
Electro-Therapeutics					36			36			72			72
G. U. and Venereal Dis.								36		36	36		36	72
Dermatology								36		36	36		36	72
Medical Jurisprudence								36			36			36
Total	612	972	792	972	918	90	792	918	54	792	3240	2088	1584	6912
Total by Years	1584		1764		1800			1764			6912			

In estimating the hours devoted to actual work in this college, please note that the College Dispensary is open from 1 to 2 p.m. each day, in all departments, and while it is impossible for a student to attend all clinics at the same time, he may take advantage of the numerous cases presented and thus follow up each line of work.

Departments of Instruction

ANATOMY

Harry Oscar White, M.D.,
Professor of Anatomy.

Robert Henry Burton, M.D.,
Associate Professor of Surgical Applied Anatomy.

Raphael Burke Durfee M.D.,
Associate Professor of Anatomy.

Henry Michael Rooney, A.B., M.D.,
Associate Professor of Anatomy.

Clarence Holmes Criley, Ph.B., M.D.,
Associate Professor of Anatomy.

Albert B. Ulrey, A. M.,
Associate Professor of Comparative Anatomy.

Course I. Freshman Anatomy. The course in Freshman Anatomy constitutes the study of Osteology, Arthrology, Myology, Angiology (including the heart), Neurology of the extremities and dissection of the upper and lower extremities.

	Hours a Week	Hours
Lectures	4	144
Recitations	2	72
Laboratory Exercise	4	144
Total	10	360

Course II. Sophomore Anatomy. The course in Sophomore Anatomy constitutes the study and dissection of the Head, Neck, Thoracic and Abdominal organs, the Perineum, Ductless Glands, Genito-Urinary Organs, Respiratory, Circulatory and Digestive systems, organs of the Special Senses, Human Brain, Spinal Cord, and the Sympathetic Nervous System.

	Hours a Week	Hours
Lectures	4	144
Recitations	2	72
Laboratory Exercise	4	144
Total	10	360

This course is a continuation of the first year, but from the standpoint of its application, and not as an abstract science. It embraces the outlines, positions and relations of the various organs and means of recognizing them, thereby giving a knowledge necessary for diagnostic and operative purposes.

For recitations and laboratory exercises the classes are divided into three sections, A, B, C, and are held twice a week by competent instructors.

The bones are studied individually and collectively, the students pointing out and describing the different parts from actual specimens. Bones are loaned the students for private study.

Course III. Comparative Anatomy. One lecture a week through the Freshman year. 36 hours.

A course of lectures, illustrated copiously with osteological material and preserved specimens.

Structure is the servant of function. The effort is made in the course to point out the way in which the physiological functions common to all animals are provided for in the structure of type forms from among the lower animals. It is planned thus to give a broader conception of the living animal body, the zoological characteristics of the human species and the biological forces that have brought about the present peculiarities of form.

Course IV. Surgical Applied Anatomy and Operative Surgery on the cadaver will be taught in the third year. 36 hours.

Description of Courses and Methods of Instruction in Human Anatomy. The Anatomical Laboratory is admirably adapted for the purposes of teaching practical Anatomy. The room is on the top floor of the College building and is well lighted, well ventilated, and is kept in a thoroughly sanitary condition. It is provided with every facility for giving students a detailed knowledge of Anatomical structures. A notable feature of the dissecting room is the excellent light from the roof through extensive skylights, and when sunlight fails, electricity is employed with equally good effect. An adequate number of human bones are arranged in order to be loaned to the students to aid them in their study. In connection with the dissecting room a series of specimens have been prepared for the purpose of study, also articulated and disarticulated skeletons for reference during the dissection of the

soft tissues, disarticulated bones of the head with sections of those containing important anatomical structures, hardened preparations of viscera for illustrating regional anatomy. The specimens are not hidden away on the shelves or cases, where they are comparatively useless, but each is displayed in such manner as to be convenient for study. The descriptive course in Anatomy is conducted by means of lectures, recitations, demonstrations on the cadaver, dry and wet anatomical preparations, charts and models, of which liberal use is made in order to illustrate the lectures and demonstrations. In the course of Neurology the student dissects a sheep brain in order to gain some knowledge of the morphological relations of the general divisions of the brain, which is followed by careful study of the human brain and spinal cord by means of horizontal, coronal and sagittal sections and which is further followed by a microscopic study of the central nervous system, and the organs of the special senses.

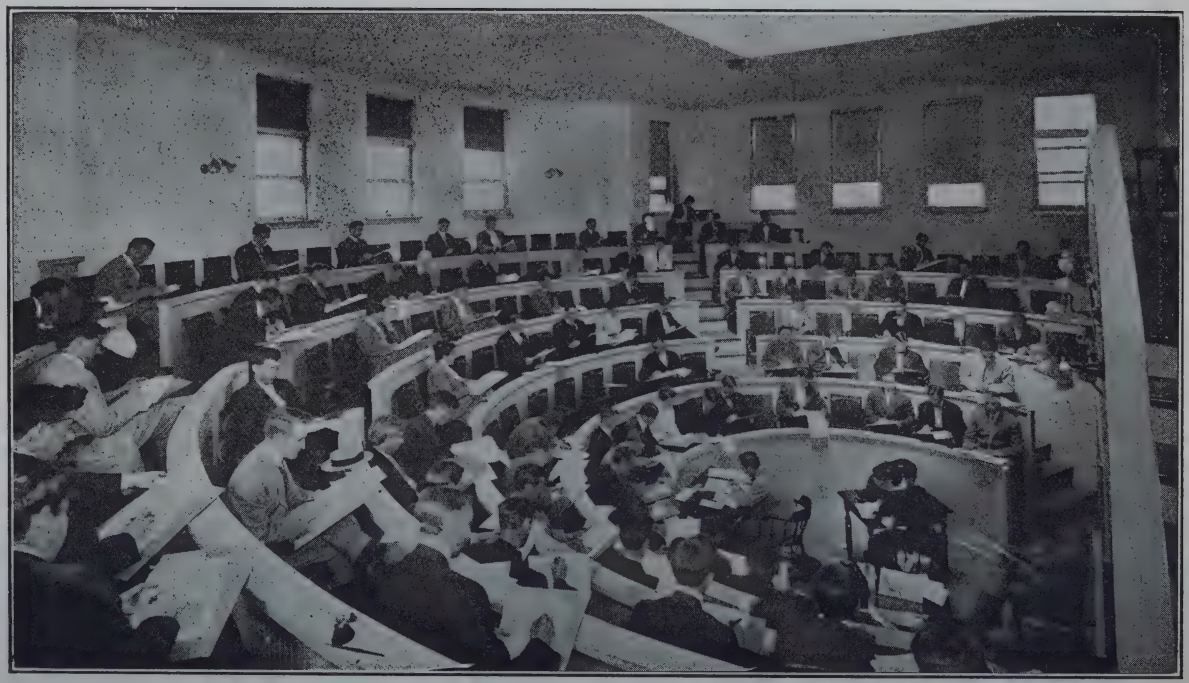
The dissecting material is abundant, thoroughly preserved by the latest scientific processes of embalming, scrupulously clean and absolutely freed from offensive odors or infective qualities.

Students who are suitably qualified and physicians who desire to do advance work in Anatomy will receive every encouragement which the department is able to offer.

From among those students who show the greatest proficiency, prospectors are appointed who do special dissection work and quizzing under the direction of the Professor and assistants.

Text Books: Gray, Cunningham, Piersol, Morris.

Atlases and Collateral Reading: Quain's Anatomy; Holden; McClellan's Regional Anatomy; Deaver's Surgical Anatomy; Edinger's Anatomy of the Nervous System; Schultze's Applied Anatomy; Barker's Anatomy of the Nervous System; Huntington, Anatomy of the Peritoneum and Abdominal Cavity; Sobotta and McMurrich, Atlas of Human Anatomy; Toldt, Atlas of Human Anatomy; Michel's Anatomical Charts; Spalteholz, Atlas of Anatomy.



ONE OF THE AMPHITHEATRES AND LECTURE ROOMS DURING EXAMINATION

HISTOLOGY

Ethel Leonard, B.S., M.D.,
Professor of Histology.
Placida Gardner, A.B., M.D.,
Instructor in Histology.

Six hours each week throughout the Freshman year is devoted to the study of General Histology. The work is divided into two courses.

Course I. Elementary Histology is given during the first semester. The study of fresh tissues, disassociation methods and the technique for the preparation of fixed and hardened tissues is given the student. All the elementary tissues of the body, including normal blood, etc., are studied.

Course II. The work of the second semester consists of the study of the different organs of the body. Quizzes, written reviews and practical tests are given the class at stated intervals throughout the year, and it is the aim that the course in Histology be so shapened as to thoroughly equip the student for his work in Pathology.

Text Books: Piersol; Bailey; Bohm; Davidoff; Huber.

CHEMISTRY

Andrew Fremont Wagner, A.M., M.D.,
Professor of Chemistry.
L. F. Wetherby, Ph.D.,
Associate Professor of Chemistry.

The following courses, included under the general subject of Chemistry, will be given: Physical Chemistry, Inorganic Chemistry, Organic Chemistry, Toxicology, Physiologic Chemistry, and Pathological Chemistry.

The needs of the medical student will be especially considered in these courses, and the instructions and laboratory work made as practical as possible as viewed from the physician's standpoint, rather than from the chemist's standpoint.

The subject-matter will be presented by lectures and dictations, explained by demonstrations and inculcated by recitations, while a large number of hours will be devoted by the individual student in the laboratories to practical work under the supervision of the head of the department and under the guidance of competent assistants.

Course I. Physical Chemistry. This will be taught during the early part of the first half of the Freshman year. The facts, theories and laws which form the foundation of all chemical knowledge are studied, including the atomic and electron theories, the laws of chemical combination, determination of atomic weights, laws of gas-pressure, specific heat, vapor tension, theories of solution, ionization, osmotic pressure, etc.

As many of the entering students are already more or less familiar with the subject-matter belonging to this part of the course, sufficient time only will be devoted to determine whether the class as a whole is sufficiently qualified in these fundamental principles, and to especially emphasize those phases of physical chemistry and of physics proper which are of peculiar interest and importance to physicians.

Course II. Inorganic Chemistry. This course is given to the Freshman class during the first half of the year.

The various elements of which matter is composed, both metallic and non-metallic, their occurrence in nature, their chemical properties, and the more important of their compounds, are studied. Here again, as elsewhere throughout the course, most attention will be given to those substances with which the medical student or the physician must be familiar, viz., such as occur in the constitution of the animal body, are employed in therapeusis, and in pharmaceutical and other preparations, as well as those which exert toxic effects.

Practical instruction will be given in Qualitative and Quantative analysis, corresponding in scope with the didactic work above outlined.

Course III. General Organic Chemistry. This course is given during the second half of the Freshman year.

Here will be considered the more important of the Carbon Compounds, such as hydrocarbons, alcohols, aldehydes, ketones, acids, ethers, esters, carbohydrates, the benzene series and derivatives, etc., including their occurrence in nature, their close relations to one another, the structure of their molecules and determination of formulae, analysis of organic compounds, and the systhesis of the more important organic substances.

The course is important not only because of the importance of many of the substances individually considered, but also because it paves the

way for the intelligent study of that special form of organic chemistry which is of paramount importance to the student of medicine, viz., Physiological Chemistry.

Course IV. Toxicology. Those substances, of whatever nature, which the physician is liable to meet in the practice of his profession, and which he must be fully prepared to recognize without loss of valuable time, will be taken up in detail and their chemical nature and identification, as well as the symptoms which they produce, thoroughly studied. This is one of the most important divisions of the course in Chemistry, and will be given in the early part of the first half of the Sophomore year, after the student has become familiar with general inorganic and organic chemistry, so that he will be able to more easily comprehend the chemical nature and toxic action of these substances.

Course V. Physiological Chemistry. This course is given throughout the entire Sophomore year.

Especial attention is given to this part of the subject both in the lecture room and the laboratory. Beginning with the chemistry of the nutrients—the carbohydrates, fats and proteins—the following are successively considered: the ferments and digestive processes, the blood, milk, bile, tissues and organs, and the end products of metabolism or excretions.

Each student is required to do a specified amount of work each day, as outlined in the syllabus which will be prepared for the purpose, and to hand in a record of what he has accomplished at the close of each working period.

Course VI. Pathological Chemistry. This course will be given by lectures and recitations during the third year.

The chemical changes occurring in diseased conditions and processes will be considered, including the degenerative and infiltrative processes, the chemistry of exudates, of pus, diseased sputum, blood, secretions and excretions, tumors, auto-intoxication, diabetes, gout, etc., also of bacteria and animal parasites and their toxic products, the antibodies produced in response to the action of such products, etc.

Course VII. Postgraduate Course. This will be given to postgraduates and others desiring to take up work along special lines in any department of chemistry, as outlined in the course already de-

scribed. The number of hours that shall be given to this course and the character of the work taken up, will depend largely upon the desires of the applicants, but the course will only be given provided there is a sufficient number of applicants to justify the expenditure of time that must be given to make the course a profitable one.

Text Books (recommended for reference only): Jones' Physical Chemistry; Smith's Inorganic Chemistry, Holland's Medical Chemistry and Toxicology; Hammarsten's Physiological Chemistry; Wells' Chemical Pathology.

PHYSIOLOGY

Lyman Brumbaugh Stookey, A.M., Ph.D.,
Professor of Physiology.

Instruction in this department is given by lectures, laboratory exercises, demonstrations and recitations. The laboratory exercises enable the student to acquire a direct acquaintance with experimental methods. The chief ends sought in the laboratory exercises are precision in conducting experiments, accuracy in observation and logic in deduction.

Formal written examinations in each course of this department are held at frequent intervals. These tests are invaluable in the cultivation of a clear and concise expression of thought.

The assistantships in this department are honor positions and are awarded according to scholarship and fitness.

Course I. Physiology of the Cell. (First year students.) Three hours lectures, four hours laboratory and two hours recitations during the first half of the first semester.

The cell is studied as an elementary organism, emphasis being laid on it as the seat of vital processes. Special attention is given to the structure and chemistry of protoplasm, chemical reactions in the cell, irritability, contractility, tropisms, development of multicellular from unicellular organisms.

Course II. Physiology of Muscle and Nerve. (First year students.) Three hours lectures, four hours laboratory and two hours recitations during the second half of the first semester.

Kymographical records are made of each student. The laboratory exercises include a study of the following: Mechanical, thermal, chemical and electrical stimulation of muscle and nerve, indirect and direct stimulation of muscle, changes in intensity of stimulus, minimal and maximal stimuli, influence of duration of stimulus, laws of contraction, natural tetanus, artificial tetanus, elasticity and extensibility of muscle, influence of temperature and load of muscular contraction, contraction of human muscle, ergograph, electrotonus, fatigue of muscle, fatigue of nerve, muscle currents, velocity of nerve impulse, conditions affecting excitability of nerve.

Course III. Physiology of Circulation, Blood and Lymph. (First year students.) Three hours lectures, four hours laboratory and two hours recitations during the first half of the second semester.

Graphical records are kept by each student. Most of the experiments are carried out on the frog's heart. Among the topics studied in the laboratory are: Staircase character of heart-beats, cardio-inhibitory center, latent period of cardiac muscle, effect of vagus on heart, action of atropin, muscarin, pilocarpin and nicotin on heart, constant current of heart, perfusion of fluids through the heart, endocardiac pressure, action of the heart valves, reflex inhibition of the heart, sphygmograph, blood pressure in different parts of the vascular system, red cell count, white cell count, differential count, colorimetric estimation of haemoglobin, spectroscopical examination of haemoglobin and its derivatives, haemrrhage and regeneration coagulation.

Course IV. Some Applications of Physical Chemistry to Physiology. (First year students.)

Two hours lectures, two hours laboratory and two hours recitations during part of the first semester.

Among the subjects discussed are: Theory of solution, the properties of dissolved substances, osmotic pressure, concentration law, catalysis, mass action, ionization, thermo-chemical change, colloidal state, some reactions which go on in living matter, the physico-chemical organization of the cell.

Course V. Physiology of Respiration, Reproduction, Animal Heat. (First year students.)

Three hours lectures, four hours laboratory and two hours recitations during the second half of the second semester.

The laboratory exercises embrace a study of the following: Movements of the chest wall, vital capacity, respiratory waves of blood pressure, variations of intrathoracic pressure, gases of the blood, reflex stimulation of respiratory center, relation of afferent fibers of vagi to respiratory center, respiratory quotient and its variations, modified respiratory movements, calorimetry.

Course VI. Physiology of Digestion, Absorption, Secretion, Excretion and Metabolism. (Second year students.)

Two hours lectures, six hours laboratory and one hour recitations during the first semester.

Course VII. General Chemical Physiology. (Second year students.)

Two hours lectures, six hours laboratory and one hour recitations during the second semester.

Course VIII. Physiological Action of Drugs. (Second year students.)

One hour lecture and one hour demonstration or recitation during both semesters.

This course consists of a study of the changes induced in the living organism by the administration of the more common and important drugs. Laboratory exercises supplement the lectures.

Course IX. Physiology of the Central Nervous System and the Sense Organs. (Second year students.)

One hour lecture and one hour laboratory or recitation during the second semester.

During the first semester the class is trained in the anatomy of the brain. During the second semester the physiology of the central nervous system is studied. Emphasis is laid upon a reflex action, reaction time, localization of functions in cerebrum, motor and sensory tracts in central nervous system and physiological optics.

Course X. Advanced Physiology. (Elective.) Alternate years.

This course consists of a detailed study of special subjects in Physiology, and includes the reading of original investigations along lines to be assigned, and the performance of laboratory experiments. Each student electing this course is required to carry out a complete metabolism experiment.

Course XI. Operative Physiology. (Elective.) Alternate years.

The object of this course is to acquaint the student with the more common operative procedure in physiological investigation. The following operations are performed on the dog: Gastric, biliary, and pancreatic fistulae, Eck's operation, splenectomy, thyroidectomy, nephrectomy, pancreatatomy, gastroenterostomy, colectomy.

Course XII. Pathological Physiology. (Third year students.)

One hour lecture and one hour recitation during the first semester.

Among the subjects discussed are: Disturbances in the digestive secretions, starvation, overeating, obesity, disturbances in the metabolism of carbohydrates, fats and proteins, qualitative changes in metabolism, production of organic acids, disturbances in the secretion of bile, alkaptonuria, cystinuria, pathological alterations in blood pressure, exudates, metabolism in fever anaemia and other pathological conditions.

Course XIII. Pathological Physiology. (Elective.)

Two hours weekly during first semester, alternate years.

In this course the student is drilled in laboratory diagnosis. Opportunity is offered to examine pathological stomach contents, blood, urine, faeces, exudates, concretions, cerebrospinal fluid, and other available material with reference to diagnosis.

Course XIV. Dietetics and Nutrition. (Third year students.)

One hour lecture and one hour recitation during second semester.

The lectures treat the following subjects: Specific dynamic action of the different foods, calorific requirements, construction of a diet from the different articles of food, nitrogenous equilibrium, nutrition during the period of growth, inorganic foods, some mineral waters, accessories to food, influence of mechanical work upon metabolism, diets in some pathological conditions.

Course XV. Physiological Conference. (Elective.)

Those who are interested are invited to meet at times to be announced to discuss informally selected problems in Physiology, usually such as supplement instruction given in other ways. Problems under investigation in the laboratory are introduced for discussion.

Course XVI. Original Investigation. (Elective.)

Those who are qualified are encouraged to undertake research work. A reading knowledge of French and German is desirable.

Reference Books: Physiology (Freshman), Howell; (Sophomore) Tigerstedt; Physiological Action of Drugs, Greene; Physiological Dietetics; Lusk, "Science of Nutrition"; Pathological Physiology, Krehl.

EMBRYOLOGY

Ethel Leonard, B.S., M.D.,
Professor of Histology and Instructor in Embryology.

Three hours each week throughout the second year is devoted to the subject of Embryology. The course consists of didactic recitation and practical work throughout. Lectures and quizzes on the structure of germ cells, the decidua and placenta are given at the beginning of the course. Following this the student is required to prepare and mount embryo chicks, illustrating development up to and including the differentiation of the somites.

Lectures and recitations in human embryology begin with the second semester. The students are required to make drawings and diagrams of the folding in of the layers of the embryo, including the histology of the foetal membranes. The complete historgenesis of the principal organs of the body is studied. The students are required to prepare their own sections, from which demonstrations and drawings are made.

The equipment in this department is complete and consist of incubators, charts and all the usual necessary histological material.

Text Books: Embryology, Bailey; Human Embryology, Kiebel and Mall.

MATERIA MEDICA AND THERAPEUTICS.

Frederick John Kruell, Ph.G., M.D.,
Professor of Materia Medica and Therapeutics.

Reginald S. Petter, M.D.,
Associate Professor of Materia Medica.

Edward Douglass Jones, M.D.,
Associate Professor of Therapeutics.

Course I. First and second year students will receive instruction in the physical, chemical and pharmaceutical properties of remedial agents, pharmacology, medical pharmacy, and the elements of prescription writing.

Two hours each week will be devoted to the above studies throughout the college year.

Course II. Third and fourth year students are instructed in the principles of therapeutics, applied therapeutics, and advanced prescription writing from a therapeutic standpoint, dietetics, and the therapeutic management of special diseases.

Three hours each week throughout the college year are devoted to the above studies.

Text Books—Hare; Shoemaker; Stevens; Potter; Sollmann.

PATHOLOGY.

Ethel Leonard, B.S., M.D.,
Professor of Pathology.

Placida Gardner, A.B., M.D.,
Instructor in Pathology.

Pathology will be covered by a course of 350 hours, extending over three years. The second year class will be thoroughly grounded in the general principles of Pathology. The study will be broad in scope; the field being covered under circulatory disorders, inflammations, degenerations, tumors and parasites.

In the third year the special pathology of the different organs will be studied and the general principles applied. This work will be made eminently practical by regular autopsy demonstrations. The students will be expected to assist in this work. In both years the students are required to prepare individual specimens, make outlines and diagrams, and in every way possible familiarize themselves with the practical technique involved.

The fourth year class will have a general review which will aim to give them a detailed, comprehensive and efficient knowledge of the subject. Incident to this work material from the County Hospital clinics will be used to give the student thorough review in clinical microscopy. Specimens of blood, sputum, pathological tissues, transudates, exudates, parasites, etc., will be the means of rounding out a knowledge of laboratory diagnosis. It is expected that this course will prepare the students for independent research work along any line in which they find themselves especially fitted.

The equipment of the laboratories is very complete and includes microscopes, microtomes, apparatus for paraffine work, and, in fact, all necessary instruments and appliances for advanced work.

Demonstrations with the projectoscope are given at intervals throughout the course.

Text Books: Pathology, McFarland; Principles of Pathology, General and Systemic, Adami and Nicholls; Diagnostic Methods, Webster.

BACTERIOLOGY

Andrew Fremont Wagner, A.M., M.D.,
Professor of Bacteriology.

Donald George Turnbull, M.D.,
Instructor in Bacteriology.

The whole subject of Bacteriology—general and special—is taught by lectures, quizzes, and laboratory instruction throughout the Sophomore year. A review is given in the Senior year.

Course I. The didactic work is thorough and complete, the first half of the course including the classification, physical and chemical structure of the bacteria in general, as well as the products of their biological activities, and particularly the antibodies, the opsonic substances, and the theories of infection and immunity relating to the various pathogenic micro-organisms, while the second half of the course covers the identification, the staining, cultural and other biologic characteristics of the various species of pathogenic bacteria, as well as of the pathogenic protozoa, yeasts and moulds. During the second half of the Sophomore year a course of lectures is given on the more important parasites, including the Protozoa, the Helminthes, and the Arthropoda, with the demonstration of such specimens as the museum may contain at the time during which these lectures are given.

Course II. The laboratory work is comprehensive, and aims to be as practical as possible. The student is made familiar with approved methods of technique by requiring him to actually perform the work done in bacteriological laboratories, from the preparation of staining fluids and of culture media to the cultivation and inoculation of the different organisms.

Course III. The review, by quizzing, of the subject in the Senior year enables the student about to graduate not only to refresh his memory in the details of this important department of the study of disease, but affords an opportunity of presenting to him any new facts that may be developed from year to year in this rapidly growing subject.

Course IV. A course in Serology is given to both Junior and Senior classes and consists of lectures, quizzes and practical work in the laboratory. During the year the subject of immunity, with its various phases, is very thoroughly gone into and the methods of determining the opsonic index, preparation of autogenous bacterins, and the compliment fixation test, as applied to the detection of syphilis by Wassermann and Noguchi, are each explained and demonstrated. All serum reactions and tests at present in vogue for the the detection of disease are demonstrated and taught, in so far as is consistent with the present consensus of medical opinion.

Text Books: Park's Pathogenic Bacteria and Protozoa; Jordan's General Bacteriology; Muir and Ritchie (1907 Edition) and MacFarland's Pathogenic Bacteria.

MEDICINE

THOMPSON B. WRIGHT, A.M., M.D.,
Professor of Medicine.

SYLVESTER GWALTNEY, B.S., M.D.,
Professor of Clinical Medicine.

HENRY HERBERT, M.D.,
Associate Professor of Medicine.

LOUIS WEBER, B.S., M.D.,
Associate Professor of Medicine

EDWARD WILLIAM HANLON, M.D.,
Associate Professor of Medicine and Lecturer on Diseases of Digestive Organs.

CHARLES C. BROWNING, M. D.,
Associate Professor of Clinical Medicine.

H. WILSON LEVENGOOD, M.D.,
Lecturer on Medicine.

WILLIAM ELMER CARTER, M.D.,
Instructor in Medicine.

FRANCIS EARL BROWN, A.B., M.D.,
Instructor in Medicine.

EARLE M. BROWN, B.S., M.D.,
Instructor in Clinical Medicine.

HARVEY SMITH, M.D.,
Instructor in Clinical Medicine.

HOWARD MUNRO, M.D.,
Instructor in Medicine.

Course I. During the Junior and Senior years a series of didactic lectures will be given, of a thoroughly practical nature, embracing a critical study of internal diseases generally, including diseases caused by parasites, infectious diseases, constitutional diseases, and the diseases grouped according to the organs affected, such as: Diseases of the lungs, heart and arteries, of the liver, of the stomach and intestines, of the pancreas, of the kidneys and spleen and lymphatic system, of the blood and of ductless glands.

Especial attention will be given to the study of etiology, bacteriology, pathological signs and symptoms, diagnosis, prognosis, and treatment of each disease, and the lectures will be amply followed up and illustrated by patients drawn from the various clinics in connection with the College and County Hospital; also by the use of pathological specimens from the College Museum, and by the use of suitable charts, etc.

The student will be given special instruction in the application of anatomical knowledge to the investigation of the disease, the methods of examining various organs and parts, to detect evidence of disease, the mode of employment of instruments and apparatus used in diagnosis, treatment prescribed, and applied therapeutics.

Course II. The Department of Physical Diagnosis has been incorporated with the Department of Medicine; its instruction begins in the Sophomore year with practical demonstration of Topographical Anatomy and of normal physiological functions pertaining to that branch, such as percussion and auscultation of the normal individual, one hour each week.

In the Junior year practical instruction is given twice each week at the Los Angeles County Hospital, two hours each week, and one hour didactic lecture at the College.

For the proper conception of the abundant and interesting clinical material offered the Junior class, a proper training in auscultation and percussion is a condition sine qua non. Cases are brought before the class with a complete history taken by one of the students and then demonstrated and discussed.

During the year each student is required to furnish in writing three complete history reports of patients, and at the end of the year to pass an oral and practical examination at the bedside. This constitutes an essential item in the markings on final examinations.

Course III. During the Senior year clinical microscopy is taught by didactic and socratic instruction—together with practical demonstrations of the latest and best laboratory methods. This course comprises the most approved methods of examining the urine, chemical and microscopical examination of the blood, sputum and gastric contents, as well as the morbid products and secretions of disease, also the latest methods of serum diagnosis. The hospital service is utilized and the course so arranged that the student may receive the benefit of a personal examination of the patient in connection with laboratory work necessary for the elucidation of the case.

Course IV. The Junior and Senior classes receive systematic instruction in the practice of medicine at the bedside. Ward and observation classes are formed, as these conference classes have proved a success and represent a great improvement over the old method of clinical lectures. Each case is carefully studied by the students, who prepare reports upon that portion of the case to which they have been assigned. These reports are read in class and discussed, after which the professor in charge draws attention to errors and directs the students in correctly interpreting the data collected. The conference closes with a brief review, during which important points are accentuated and peculiar ones noted.

Most excellent clinical facilities are afforded at the Los Angeles County Hospital with its 500 beds. The recent establishment of a regular visiting staff having absolute charge of the patients, opens up new opportunities for the close study and treatment of disease in this institution. Our students have constant access to the wards, giving them the opportunity to obtain at first hand that knowledge of disease which can only be acquired through intimate contact with the patient.

Each student is required to submit complete case reports on a number of cases during the year.

Course V. Tropical Medicine is taught in the Senior year and comprises one recitation weekly.

Recognizing that a knowledge of natural history is essential to a thorough understanding of the causative factors in the production of tropical diseases, the student is taught to construct analytic outlines of the various parasites and their associated diseases, special attention is given to the etiology, pathology, symptomatology, diagnosis, prognosis and treatment, and the most approved methods of prophylaxis.

During the year clinical instruction in tropical diseases is given at the County Hospital.

Text Books—Diagnosis: Chas. B. Slade, Physic. Exam. and Diagn.; Anatomy (for Sophomores); Anders Boston, Medical Diagnosis; Osler; Cabot's Diseases of the Blood; Butler; Wilson.

Practice: Anders; Osler; Kelly; Tyson; Edwards; Manson; Jackson.

Text Books—Diagnosis: Osler; Butler; Anders; Emerson; Boston; Cabot's Diseases of the Blood; Todd's Manual of Clinical Diagnosis; DaCosta.

Practice: Anders; Osler; Tyson; Edwards; Manson; Jackson.

Collateral Reading and Reference: Krehl's Pathological Physiology; Hammarstein's Physiological Chemistry; Cushney's Pharmacology; Potter's Materia Medica and Therapeutics; Babcock.

SURGERY

James Harvey Seymour, M.D.,
Professor of Surgery and Clinical Surgery.
Orville O. Witherbee, M.D.,
Professor of Surgery and Clinical Surgery.
John Jay Still, M.D.,
Associate Professor of Fractures and Dislocations.
P. C. H. Pahl, M.D.,
Lecturer on Orthopedic Surgery.

This department embraces didactic and clinical instruction, extends throughout the Sophomore, Junior and Senior years, and consists of four courses.

Course I. Minor Surgery, the art of bandaging, the application of surgical dressing and the use of anaesthetics are taught, two hours per week, during the Sophomore year.

Course II. Fractures and Dislocations is taught one hour per week to the Junior class.

Course III. Orthopedic Surgery is given throughout the Junior and Senior years, and consists of one hour per week, didactic work, with extensive clinical demonstration. This course will include instruction in the application and adjustment of orthopedic apparatus, the theory and practice of the treatment of tubercular bone disease by mechanical means, tuberculin, the sun's rays and the hygienic-dietetic method; the treatment of scoliosis by gymnastics, electricity and massage; treatment of talipes and flat-foot, the management of infantile paralysis and practical work in the plaster room as well as by operative hospital work.

Course IV. Three hours per week, didactic work at the College four hours per week, clinical work at the County Hospital, and daily clinics at both the College Dispensary and Down Town Clinic are given throughout the Junior and Senior years in Surgery. In the Junior year the principles underlying surgical procedures and govern-

ing surgical diseases, together with a thorough grounding in surgical pathology, are considered. Clinical instruction is begun by the Junior student and he is given ample opportunity to witness all the major and minor operations. Many opportunities are afforded the Senior Class to witness, at close range, operations in the many hospitals with which Los Angeles is so bountifully provided. Every effort indeed is made to familiarize the student with the practical application and modern surgical procedures, to the end that he may be fully equipped to meet any and all emergencies within the domain of surgery.

Text Books: DaCosta; Wyeth; Lexer-Bevan; Scudder's Treatment of Fractures; Stimson on Fractures and Dislocations.

Operative Surgery: Bryant; Bickham; Treaves.

Orthopedic Surgery: Whitman; Bradford and Lovett; Young.

Minor Surgery: Foote.

GYNECOLOGY AND ABDOMINAL SURGERY

Charles William Bryson, A.B., M.D.,
Professor of Gynecology, Abdominal and Clinical Surgery.

William Harriman Jones, A.B., M.D.,
Associate Professor of Gynecology.

Henry E. Southworth, M.D.,
Associate Professor of Gynecology.

Instruction in this department will be didactic and clinical, comprising lectures, recitations, quizzes, dispensary and hospital clinics, and minor and major operations, before members of the Junior and Senior classes, and will continue throughout the Junior and Senior years. In the Clinical Department students will be divided into small classes, the better to enable them to witness closely the technique of all operations.

Students will be required to examine, diagnose and treat patients in the presence of the professor in charge, in order to become proficient in gynecological diagnosis and treatment. In thus bringing the student in close personal relation with a large number and variety of cases, he familiarizes himself with the different methods of examining patients, and at the same time he becomes accustomed to making diagnoses and formulating treatment, as well as witnessing closely and assisting at all of the minor and major operations in gynecology and abdominal surgery. Diseases of the bladder and urethra will be thoroughly cov-

ered in this department and their medical and surgical treatment outlined and demonstrated. Methods of inspection and examination will be taught by the use of charts and manikins, as well as upon the living subjects. The practical manipulation and use of the cystoscope will be shown first upon bladder phantoms, then upon the living subject in the Clinical Department. A thorough theoretical as well as practical knowledge of gynecology and abdominal surgery in its broadest scope is a prerequisite to graduation from this College, and every opportunity will be offered the student to prepare himself for the arduous duties that will come to him in his professional career.

Text Books: Ashton; Gilliam; Montgomery; Reed; Penrose; Hirst; Possi; Byford; Garrigues; Crossen; Kelly's Operative Gynecology; Surgical Diseases of Abdomen, by Douglas; Abdominal Operations, by Monynihan.

PEDIATRICS

Francis Oliver Yost, M.D.,
Professor of Pediatrics.

The course in Diseases of Children consists of lectures, recitations, and clinics, during the third and fourth years. In the lectures special attention is devoted to the subjects of infant feeding and to the infectious diseases of childhood.

In the recitations a special effort is made to impress the practical points of diagnosis and treatment.

Text Books: Holt; Chapin and Pisek; Ruhrah.

Collaterial reading: Rotch; Koplik; Jacobi; Cotton; Fischer; Corlett; Kerr; Kerley; Sheffield; Graetzer; Pfaundler and Schlossman.

OBSTETRICS

Walter Sydney Johnson, A.B., M.D.,
Professor of Obstetrics.

Course I. Instruction in Obstetrics is begun in the third year, and is carried on by means of didactic lectures, recitations and demonstrations, upon the manikin and living subject; by the use of charts, wet and dry specimens, models and pelves.

The subject matter during this year embraces the anatomy of the pelvis, physiology, and development of the ovum, normal pregnancy, normal labor and normal puerpery.

Two hours a week are given to lectures and recitations throughout this year.

Course II. Lectures and recitations are continued during the fourth year, at which time the complications and difficulties liable to be encountered in the practice of the science and art of obstetrics are successively considered, viz., abnormal pregnancy, dystocia, and abnormal puerpery.

Special attention is given to asepsis, external palpation, pelvimetry, the use of forceps, and the different obstetric operations.

Students during this year, in addition to the above, are expected to attend one or more cases of labor, under the supervision of the Professor of Obstetrics. The maternity wards of the County Hospital and the many charitable cases coming under the care of this department afford ample material for practical demonstration, thus giving the student a thorough working knowledge of the subject.

Text Books: Williams; Edgar; American Text Book; Hirst; Wright.

OPHTHALMOLOGY

THOMAS JEFFERSON MCCOY, M.D.,
Professor of Ophthalmology.

GEORGE WASHINGTON MCCOY, A.M., M.D.,
Associate Professor of Ophthalmology.

This course on diseases of the eye will consist of one didactic and two clinical lectures each week, giving practical instructions on the eye in general, the recognition, differentiation and treatment of the common, as well as the complicated diseases and injuries, teaching the recognition of diseases in the eye as diagnostic of disease in remote organs, the principles and the use of the ophthalmoscope and clinical instructions on refraction. Ample material is available at the hospitals, college and outdoor clinics.

Text Books: May; Fox; Jackson; De Schweinitz; Ball or Fuchs.

OTOLOGY, LARYNGOLOGY AND RHINOLOGY

WILLIAM LEANDER ZUILL, *M.D.*,
Professor of Otology, Laryngology and Rhinology.

GEORGE JESSE LUND, M.D.,
Associate Professor of Otology, Laryngology and Rhinology.

The work in this department is so arranged as to give the student the broadest possible acquaintance with the clinical side of this sub-

ject. This is done by dividing the class into sections so that each section will have three hours of clinical work in the College Dispensary in addition to the County Hospital work.

The didactic work of the department consists of two lecture hours each week in addition to frequent recitations and reviews. The student has every opportunity to make himself thoroughly familiar with all the practical details of this subject and his knowledge of the subject taught is frequently tested by both oral and written reviews.

The didactic course begins with a careful review first of the Anatomical details of the Ear, Nose and Throat and their accessory sinuses. Second, the influences of general diseases upon these special organs and also the influence which diseases of these organs exert upon the general condition and health of the patient. Third, methods of examination of these organs and special consideration of the diseases affecting them. Fourth, a careful study of the diseases of the Accessory Sinuses. Fifth, operations.

The collateral reading advised on this subject are such works as D. Braden Kyle, "Diseases of Nose and Throat"; J. J. Kyle, 3rd Edition, "Diseases of Ear, Nose and Throat"; Bishop on "Diseases of the Nose, Throat and Ear"; Bacon on "Otology"; Cloakly on "Diseases of Nose and Throat."

NERVOUS AND MENTAL DISEASES

James Tucker Fisher, M.D.,
Professor of Neurology and Psychiatry.

Charles C. Manger, M.D.,
Associate Professor of Neurology.

The course in Neurology, Psychiatry and Neuro-Pathology consists of lectures and clinics at the College Dispensary, County Hospital and Soldiers' Home each week during the third and fourth years.

The clinical course familiarizes the student with the common disturbances of the nervous system and some of the more important mental diseases.

The detention of the insane at the County Hospital, before commitment to the State Hospital for the insane, allows the student to see many forms of insanity.

Text Books: Dana; Starr; Mettler; Outlines of Psychiatry by William A. White.

STATE MEDICINE AND HYGIENE

Dallas Case Ragland, M.D.,
Lecturer on State Medicine and Hygiene.

Owing to the rapid advances which have been made in the science of medicine in the last few years, State Medicine and Hygiene has become a very important branch of this science. The subject is taught by didactic lectures and quizzes, two hours each week throughout the Senior year being required.

Hygiene as applied to preservation of health and prevention of disease will be thoroughly illustrated, especial attention being given to the pure food law, state, national and interstate control of pure foods and drugs, adulterations, dilutions, labeling, etc.

School-room and military hygiene will be thoroughly covered and especial consideration will be given to the hygiene of the sick-room.

A complete course in hygiene of air, soil, water, climate, food and diet; food supply, food diseases and adulterations; heating, lighting and ventilating of dwellings; municipal sanitation and water supply, sewage and drainage, disposal of refuse; the prevention of contagious diseases, including tropical diseases; the laws regulating quarantine, etc.; in fact, all branches of Preventive Medicine, Hygiene and Sanitation will be thoroughly given.

Text Books: Parkes; Egbert; Bergy.

ELECTRO-THERAPEUTICS

Lyell Cary Kinney, M.D.,
Instructor in Electro-Therapeutics and Roentgenology.

Lectures will be delivered and recitations held during the Junior and Senior years covering the following subjects: History of Electricity, Magnetism and allied subjects; various forms of electrical apparatus and their construction; different currents employed and the technique of their application in electrotherapy, electrodiagnosis, electroprognosis and electrocautery; phototherapy; high-frequency therapy and the Roentgen or X-rays.

The various applications of X-rays in medicine and surgery, including X-raytherapy, fluoroscopy, radiography, etc., like the other subjects, are not only dealt with in minutest details, but with ample clinical material, and the installation of the latest electrical apparatus, opportunities are afforded for practical demonstration, thus insuring a thorough knowledge of the subject.

Text Books: Tousey's Medical Electricity and Roentgen Rays; McIntosh's Practical Handbook of Medical Electricity; Rockwell's Medical and Surgical Electricity; Neiswanger's Electrotherapeutical Practice.

GENITO-URINARY DISEASES

Warren Nichols Horton, M.D.,
Associate Professor of Genito-Urinary Diseases.

This course comprises a series of lectures and clinical demonstrations throughout the Senior year, and is limited to Senior students.

In the didactic course, the anatomy, histology, embryology and physiology of the entire genito-urinary tract is reviewed, such time being spent on this as to insure a thorough knowledge of the fundamental principle of this subject, and then the diseases of the various organs are taken up separately, special attention being given to the pathological changes and their diagnosis.

The operative procedures are taught on the cadaver, and the students are required to go through the various steps of each operation under the guidance of the instructor.

The diagnosis is gone into with each pathological condition as it is being studied, but preliminary to this, special instruction is given in palpation and percussion and various other methods pertaining to genito-urinary diseases in general, individual instruction being given in the use of the cystoscope, urethroscope and catheterising ureters, etc.

These lectures will be illustrated by a series of clinical demonstrations upon material from the College Clinic and at the County Hospital.

No one text book is followed in the course, but the students of this branch are recommended to buy various texts, and thereby the class has the advantage of the different authors writing on this subject.

Works recommended: Casper; Kreissel; Fynger; Corner; Keyes; White and Martin; Morrow's System; Deaver's Diseases of the Pros-

tate Gland; and various texts on Anatomy, Histology and Embryology used in other departments of the school.

DERMATOLOGY

ANSTRUTHER DAVIDSON, C.M., M.B., M.D.,
Associate Professor of Dermatology.

Dermatology, embracing within its scope Syphilography, has been taken from the Department of Genito-Urinary Diseases and placed in a separate department.

This course embraces one hour each week throughout the Senior year. The subject-matter covered will be of the histo-pathology and bacteriology of the skin, relations of diseases of the skin to other diseases and to other organs, the individual study of all cutaneous affections, their diagnosis and latest methods of treatment, including X-ray therapy.

The cutaneous manifestations of the various eruptive fevers, their diagnosis and clinical values, will also be considered.

Syphilis, its effects, direct and remote, upon healthy and diseased organs, together with the most modern methods of diagnosis and treatment, will be thoroughly studied throughout the year.

Text Books: Stellwagon; Pusey; Schamberg.

MEDICAL JURISPRUDENCE

.....(To Be Filled).....
Lecturer on Medical Jurisprudence.

Lectures will be given on the following subjects: Legal relations of physician to patient and patient to physician, including rights to compensation, collection of fees, malpractice; legal relations of physician to government, including government regulation of practice, power to protect public health, nuisances and their abatement, adulteration of foods; elementary general principles of law, knowledge of which frequently is required by and useful to physicians, including wills, estates of insane and deceased persons, crimes of violence, rights of children, negligence; legal aspects of mental disorders and diseases, including testamentary capacity, criminal responsibility of insane, alcoholism and drug addictions, legal incompetency to contract, care for and custody

of insane; property rights of insane; personal injuries by violence (a) in civil damage cases, and (b) in criminal cases, including rules of evidence, medico-legal inspection, autopsies (a) to ascertain cause of death, and (b) to obtain evidence of manner of infliction, suicide; toxicology, sex perversions, pregnancy, disease and divorce; life and accident insurance; expert and opinion evidence, including the medical witness, his position, rights and duties.

Efforts will be made in this department to familiarize students with the proper methods of practice and procedure in all matters wherein the practitioner of medicine is likely to come in contact with the law or the government, and especially in that large class of cases where accurate knowledge of legal requirements is called for upon the instant. The lack of such knowledge frequently has enacted great embarrassment, both to the courts and to the medical profession.

Text Books: Taylor; Witthaus and Becker, Forensic and Medicine Toxicology.

HISTORY OF MEDICINE AND MEDICAL BIBLIOGRAPHY

Peter C. Remondino, M.D.,
Lecturer on History of Medicine and Medical Bibliography.

Dr. P. C. Remondino will deliver, during the session of 1910-11, a series of lectures to the entire student body upon that most interesting and instructive topic, History of Medicine and Medical Bibliography. This subject has been added to and made a part of the curriculum of this College. Dr. Remondino has been selected to present this course, he being a man of finished scholarly attainments, and his inherent ability, together with his broad and comprehensive knowledge of this subject, the results of a lifelong study and research into the seemingly impenetrable mysteries of the history of medicine, is an evidence of his peculiar fitness to make this course interesting and instructive. During the coming year Dr. Remondino will begin his course with a lecture on the medicine of the ancient Acadians, during which he will trace by the similarity of their Shaminic medicine, the ancient race relationship existing between the Laplander of northern Europe and the ancient Tauranian races that once inhabited the plains and mountains of Babylonia. Following this, the medicine of the Aboriginal American, Oceanic and African Tribes will form the subject of the next lectures, during which the enlightened state of the medicine of the Maya Indians of

Yucatan will be traced in its origin to early Egyptian sources. The next lectures will be devoted to the elucidation of the states of Egyptian, Hindoo and Greek medicine prior to its pre-Hippocratic era. Then will follow the Hippocratic and Alexandrian, the Roman and the Arabian, with the period of rennaissance in Europe in the Sixteenth Century. In fact, a review of Medicine from the earliest possible obtainable history down to and including the present, will be given.

The above outline of the course will suffice to call the attention of the student along these lines to the opportunities offered here in this too oft neglected department. We believe that the broad-minded, up-to-date medical man should know at least something of the history of his profession.

MEDICAL ECONOMICS.

Professor Charles William Bryson.
Professor James Harvey Seymour.

This college, in keeping pace with the advancements being made in medical teaching and training, has adopted the recommendation of the Educational Council of the American Medical Association and added to its curriculum a department of Medical Economics. The young man or woman taking a degree from a medical institution must go forth, usually illy prepared to take and to occupy that high position and place in the professional and business world that should be expected of them. This course will consist of twelve lectures to the Junior and Senior classes throughout the term upon the fundamental business principles so essential to the success of the young practician, the duties of the medical man to himself, to his confreres, to his patients, and to the public at large, the relation that should exist between the medical man and the druggist, the Church, and the State, etc., etc. This course will aim to inculcate into the mind of the student that broad spirit of altruism which should regulate and control the relations existing between mankind. This course will embrace and set forth that true spirit of fraternization that should permeate the ranks of the medical profession, that spirit of brotherly love, which seems to have been forgotten by the medical fraternity in its onward and rapid progress. The basic principles of organization and unity will be outlined, and, in fact, medical sociology will be woven into a strong and durable fabric which we believe will redound greatly to the future benefit of those who go out into the world, to accomplish better things by better methods.

SCHOLARSHIP

Our Alumni have contributed the sum of Fifty Dollars to apply on a Scholarship Fund; to this amount the Dean, Professor Charles W. Bryson, has added a further donation of One Hundred Dollars to complete one full scholarship. This award will be made to the student who at the completion of his Junior year, Session of 1911-12, in this school, has shown the highest proficiency in his Junior year's work and whose deportment, both in and out of class, is above reproach and shows that he or she may be the most worthy. This award will be made by the Judicial Council and ratified by the Senior Faculty, this fund to be applied on the payment of said student's Senior year fees in this school.

PRIZES to be Awarded, Session 1911-1912

The Faculty will give a prize to the member of the Freshman Class who obtains the highest general average in the final examinations upon the studies of that year.

The Faculty will give a prize to the member of the Sophomore Class who obtains the highest general average in the final examination upon the studies of that year.

The Faculty will give a prize to the member of the Junior Class who obtains the highest general average in the final examinations upon the studies of that year.

The Faculty will give a prize to the member of the Senior Class who obtains the highest general average in the final examinations upon the studies of that year.

SURGERY PRIZE.

Professor James H. Seymour will give a prize to the member of the Senior Class who obtains the highest general average throughout the year in the department of Surgery. Attendance, class and clinic work, general deportment and efficiency will count in the awarding of this prize.

GYNECOLOGY AND ABDOMINAL SURGERY PRIZE.

Professor Charles W. Bryson will give a prize to the member of the Senior Class who obtains the highest general average throughout the year in the department of Gynecology and Abdominal Surgery. Attendance, class and clinic work, general deportment and efficiency will count in the awarding of this prize.

CATALOGUE OF STUDENTS

SESSION 1910-1911

SENIORS.

Abramson, Max Jacobs (Ph.G.)
Boller, Phil (A.B.)
Boyd, Wilbur Travis (Ph.G.)
Cocke, John Vinton
Collins, Ebert Caleb
De Ville, Leon
Domann, Arthur Henry
Genung, Mabel A.
Traughber, William Francis

JUNIORS.

Ammann, Francis Xavier
Avery, Lewis Gorton
Boyer, John Ira
Charleston, Vernon Claude
Crawford, Mrs. Olive
Davey, Edgar Charles
Deakin, Stanley McClure
Flinn, Homer John
Foye, Frank Alonzo
Hall, Will E.
Hart, John Franklin
Hull, Foster Miller
Nelson, Fred Howell
Patric, Gladys Emilia
Riggs, Norman
Ronan, Richard Robert
Smart, Eliott Plummer
Stokes, William Ellis
Stone, Mrs. Clara
Stookey, Byron Polk (M.A.)
Thurber, Delos Packard
Thurber, William Grant
Wilson, Loren Everett
Yager, William Laurence
Young, Edgar Nelson

SOPHOMORES.

Bames, Otto
Bell, Jr., Frank
Blake, Wendell Phillips
Bowers, Chester H. (A.B.)
Carter, Ray Alden (A.B.)
Chadwick, Benjamin Cole
Citron, I. Jesse
Dieterle, Karl Lional
Dunsmoor, Robert M.
Eisen, Edward George
Felch, Miner Frank
Fearon, William Max
Ginsburg, S. S.
Herrington, Frank James
Jesberg, Simon Henry
Kelley, Gilbert A.
Kittle, Walter Francis
Larzalere, Ray Verplank
Lucey, Daniel D.
McCrea, Agnes Benford
Reeves, James Walter
Sands, Raymond Arthur
Shattuck, Alvin
Schwartz, David D.
Smith, Harold Wilbur

FRESHMEN.

Beck, Horace Richard
Blass, Mrs. Rosa Barney
Bonoff, Karl Marx
Brown, James Templeton
Cheesman, Harvey Rollin
Clayberg, Clay
Close, Katherine Margaret
Coleman, Barney Ellerton
Cox, Roy Milo
Craig, John Bryan
Cunnane, Philip John
Curl, Robert Latta
Drury, Edward
Felger, Louie
Hale, Nathan George
Harding, Henry Wilbur
Hegardt, Mrs. Nellie F. M.
Hemphill, Oscar Leon
Hibben, John Severy
Holdridge, Earl Ansel
Holleran, Walter M. (B.S.)
Horton, Jesse Chrisman
Jacoby, Arthur David
Lesem, Alexander Marx
McClurkin, Arthur Archibald
McGilvra, Walter Vern
Misch, Herman
Moffat, Howard Lee
Noot, William Ivor
O'Donnell, Earl William
O'Reilly, Edmund Francis
Perry, Joseph Raymond
Ranson, John Roy
Rees, Clarence Edwin
Ring, John Richard
Rogers, Earl Leroy
Rose, Homer DeWitt
Rosson, Ray Wright
Rothwell, Chester L.
Scholz, Arnold Max
Smith, George Francis
Storkan, Joseph Charles
Thompson, Roy Oliver
Throop, Charles Bailey
Wilson, Robert Donald
Wyckoff, Harry A. (A.B.)
Young, Chas. Stephen
Zacher, Edwin Frederick
Zorb, George Anthony

POST-GRADUATES.

Miller, Jr., J. L. (M.D.)
Burrows, C. A. (M.D.)

SPECIAL.

Felsenthal, L. (D.D.S.)

GRADUATES

SESSION 1910-11.

Abramson, Max Jacobs (Ph.G.)
Boller, Phil (A.B.)
Boyd, Wilbur Travis (Ph.G.)
Cocke, John Vinton
De Ville, Leon
Domann, Arthur Henry
Genung, Mabel A.
Traughber, William Francis

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UNIVERSITY OF ILLINOIS
PRESIDENT'S OFFICE

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1915/16

VERSITY OF SOUTHERN CALIFORNIA
VOLUME X BULLETIN NUMBER 3

COLLEGE OF PHYSICIANS AND SURGEONS

MEDICAL DEPARTMENT

LOS ANGELES, CAL.

Annual Catalogue and Announcement
Session 1915-1916

July, 1915

UNIVERSITY OF ILLINOIS
SEP 1 1915
PRESIDENT'S OFFICE

Published Bi-Monthly by the University
Entered as Second-class Matter under Act of Congress, July 17, 1894
LOS ANGELES, CALIFORNIA

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LOS ANGELES, CALIFORNIA

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COURSE OF STUDY, FOUR YEARS
OF NINE CALENDAR MONTHS EACH

1915

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CALENDAR

COLLEGE OF PHYSICIANS AND SURGEONS
SESSION 1915-16

1915

September 1, 2, 3, 4.....Examination for Entrance and Advanced Standing in the Session of 1915-16.
September 6.....First Trimester begins.
November 25.....Thanksgiving Day. A holiday.
December 4.....First Trimester ends.
December 6.....Second Trimester begins.
December 24.....Christmas Vacation begins.

1916

January 3.....Christmas Vacation ends.
February 22.....Washington's Birthday. A holiday.
March 4.....Second Trimester ends.
March 6.....Third Trimester begins.
May 15.....Senior Final Examinations begin.
May 22.....Junior Final Examinations begin.
May 27.....Third Trimester ends.
May 30.....Decoration Day. A holiday.
May 31.....Sophomore and Freshman Examinations begin.
June 4.....Baccalaureate Sunday.
June 7.....Commencement Day.

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Instructor in Physiological Chemistry.

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Assistant in Pathology.

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The President	1	
Professors	23	
Total		24
Associate Faculty:		
Associate Professors	12	
Assistant Professors	5	
Lecturers	11	
Instructors	34	
Assistants	1	
Total		63
Total		87

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Chas. E. Phillips, M.D.
W. H. Kiger, M.D.

junior surgeons

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A. P. Wilson, M.D.
Anders Peterson, M.D.
H. Shoemaker, M.D.
W. H. Gilbert, M.D.
C. H. Criley, M.D.

Department of Gynecology

senior surgeons

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junior surgeons

H. E. Southworth, M.D.
Phil Boller, M.D.

Department of Orthopedic Surgery

senior surgeon

P. C. H. Pahl, M.D.

junior surgeon

F. E. Lettice, M.D.

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Thos. J. McCoy, M.D.
G. W. McCoy, M.D.

Department of Diseases of Ear, Nose and Throat

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Department of Genito-Urinary Diseases

Anders Peterson, M.D.

Department of Obstetrics

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L. G. McNiele, M.D.

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Henry Herbert, M.D.
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Department of Dermatology

A. Davidson, M.D.

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Charles W. Bryson, M.D.
Charles H. Whitman, M.D.
Fitch C. E. Mattison, M.D.
W. W. Richardson, M.D.
Chas. E. Phillips, M.D.
W. H. Kiger, M.D.
C. H. Criley, M.D.
W. L. Huggins, M.D.
H. Shoemaker, M.D.
A. P. Wilson, M.D.
Edward Swift, M.D.
W. H. Gilbert, M.D.
L. G. Avery, M.D.
A. T. Charlton, M.D.

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H. W. Howard, M.D.
Phil Boller, M.D.

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Thos. J. McCoy, M.D., *Chief of Department*

Geo. W. McCoy, M.D

DEPARTMENT OF DISEASES OF EAR, NOSE AND THROAT

J. J. Kyle, M.D.

DEPARTMENT OF GENITO-URINARY DISEASES

Anders Peterson, M.D.

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A. J. Scott, Jr., M.D.

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W. B. Kern, M.D.

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Department of Dermatology

A. Davidson, M.D.

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James H. Seymour, M.D., *Chief of Surgical Department*

Orville O. Witherbee, M.D.
P. C. H. Pahl, M.D.,
F. E. Lettice, M.D.
Harlan Shoemaker, M.D.
H. W. Edwards, M.D.
W. W. MacKenzie, M.D.
L. Gorton Avery, M.D.

Gynecology Clinic

Charles W. Bryson, M.D., *Chief of Gynecology, Abdominal and Clinical Surgery Department*

Olga McNiele, M.D.
Frederick B. West, M.D.
Lula Peters, M.D.

Obstetrical Clinic

Walter S. Johnson, M.D., *Chief of Obstetrical Department*

Lyle G. McNeile, M.D.

Children's Clinic

Francis O. Yost, M.D., *Chief of Pediatrics Department*

A. J. Scott, Jr., M.D.
Katherine M. Close, M.D.

Tuberculosis and Lung Clinic

Charles C. Browning, M.D., *Chief of Tuberculosis Department*

Richard C. MacCloskey, M.D.

Skin and Genito-Urinary Clinic

Anstruther Davidson, M.D., *Chief of Dermatological Department*

W. B. Dakin, M.D.

Ear, Nose and Throat Clinic

William L. Zuill, M.D., *Chief of Ear, Nose and Throat Department*

John Johnson Kyle, M.D.
George J. Lund, M.D.
Karl R. Sleeper, M.D.
Clifton E. Gage, M.D.
F. B. Carey, M.D.

EYE CLINIC

Thomas J. McCoy, M.D., *Chief of Eye Department*

George W. McCoy, M.D. R. A. Harris, M.D.

ORTHOPEDIC CLINIC

P. C. H. Pahl, M.D., *Chief of Orthopedic Department*

Karl Ross, M.D.

PROCTOLOGY CLINIC

E. J. Clemons, M.D.

NERVOUS DISEASES

James T. Fisher, M.D.

VISITING STAFF—HOMER TOBERMAN CLINIC

(2027 East Seventh St.)

F. A. Speik, M.D., *Chief of Clinic*

MEDICAL CLINIC

F. A. Speik, M.D., *Chief of Medical Department*

Asa G. Woodward, M.D. Edgar Allen, M.D.

SURGICAL CLINIC

James H. Seymour, M.D., *Chief of Surgical Department*

Orville O. Witherbee, M.D. Charles F. Nelson, M.D.

GYNECOLOGY CLINIC

Charles W. Bryson, M.D., *Chief of Gynecology Department*

Addie B. Allen, M.D. J. J. Carter, M.D.

Phil Boller, M.D.

OBSTETRICAL DEPARTMENT

Walter S. Johnson, M.D., *Chief of Obstetrical Department*

Lyle G. McNeile, M.D. Edgar Allen, M.D.

W. B. Smith, M.D. A. A. Blatherwick, M.D.

CHILDREN'S CLINIC

Francis O. Yost, M.D., *Chief of Pediatrics Department*

R. G. Whitlock, M.D. Harry M. Brandel, M.D.

SKIN CLINIC

E. D. Lovejoy, M.D.

GENITO-URINARY CLINIC

E. D. Lovejoy, M.D.

PROCTOLOGY CLINIC

E. Jay Clemens, M.D.

EYE, EAR, NOSE AND THROAT

William L. Zuill, M.D., *Chief of Eye, Ear, Nose and Throat Department*

J. W. Shaul, M.D.

COLLEGE OF PHYSICIANS AND SURGEONS

PART II.

FACILITIES FOR INSTRUCTION

FOREWORD

When in 1885 the University of Southern California placed itself on record as an advocate of the higher requirements for entrance into, as well as higher and more advanced method within its Medical Department, an entirely new era was marked in medical education in California. At that time and for a long time thereafter, and even at this present time, many medical institutions, claiming a more or less high place in the list of medical schools, were not then, and are not now, we believe, keeping pace with the high ideals which should govern in this regard. The University of Southern California quick to see and to understand the necessity of placing its professional departments on a par with the higher ranking and higher rated institutions throughout the country, raised the requirements for matriculation to one year of college work in 1914 and adhered with scrupulous steadfastness to that requirement. This college year requirement drove many students away but the high standards adopted and adhered to manifested the steadfastness of purpose on the part of the Trustees of the University to invite only those students possessing the prescribed qualifications to enter here. The advantages of the increased requirements were soon manifested by the superior work done by those matriculating, the contrast being so marked that the University Trustees decided to still further demand for matriculation a better preparation, to enable the student to grasp more readily the advanced methods of teaching medicine and surgery in vogue here, and adopted the two years of college preparation for matriculation in its Medical Department, beginning with the session of 1916-17. The concensus of opinion of medical educators of repute now is that, owing to the vast advances being made in medical and surgical science, the student must have his preliminary foundation laid more firmly, thereby broadening his viewpoint of complex problems coming up to him daily, and the time has gone by when the young man or woman with only a high school preparation can keep pace with medical teaching, as given in this school, except in extraordinary cases, as manifested in the case of the *unusual* student, which is the exception and not the rule. We think that the prospective student, as well as the laity in general, are coming to look upon these matters in the same light also. This school has also made a wide departure from ordinary

methods and has gone into the big medical centers and selected men of known ability and repute to head its various first and second year departments. We believe that the time has gone by when the work of the first and second years can be given by men engaged in other pursuits as well, in other words, these departments in this school are now in charge of teachers of repute, who are engaged in no other business than that of teaching and research work, as we believe that the man who carries the destiny of a great medical school as this has grown to be, must have not only the teaching desire, and a thorough preparation for his work, but he must have the teaching instinct, and above all the teaching conscience, if he would succeed as an arbiter of the destinies of his pupils. Truly, medicine as we are teaching it today carries the student not only along the beaten paths of accepted theories and facts, but leads him well into the realm of research investigation where new thoughts come to him, to broaden the scope of his mind and to teach him to look for and to grasp the new things which are so rapidly carrying medicine forward to established and proven facts, even to the seeming extreme of new discoveries. All of this calls for a better preliminary foundation on the part of the average student to enable him to grasp the hitherto unknown benefits to humanity which underlie the great and ever progressing profession of medicine. That is the reason this school is adding more full time, high grade teachers and assistants, and that is a further reason why this school, as now organized and constructed, stands without a peer among medical institutions. No expense has been spared to gather here for future work, a faculty of medical teachers and research workers equipped with the latest, the best and most approved methods and facilities for conducting the work along modern lines, and the University of Southern California asserts with pride that it has finally succeeded in selecting and bringing here for future work and future teaching, one of the strongest faculties in America. This University is determined to make Los Angeles a great medical center, and we have no part in low grade medical institutions with high grade pretentions. We maintain that the time has passed when the people, who should be and are the real arbiters of worth and merit, should tolerate low grade educational institutions and more especially low grade medical schools, for such institutions are a real menace to humanity, so why should they be tolerated; why should they be countenanced, and why allowed to exist at all? Medicine and surgery, we maintain, deals with the real life problems of today. The medical man deals with that which is most sacred to all mankind, so why should not the people demand that low grade methods cease? The way to accomplish this is for communities to place their stamp of disapproval upon so-called medical schools of easy methods, and to give freely of their approval to institutions which strive to place the best there is, and the

things worth while, at their disposal. The College of Physicians and Surgeons, Medical Department of the University of Southern California, presents the advantages of a modern and high class institution, conducted on modern and up-to-date methods, as the results of its work will show. We tolerate nothing but the best.

The government of the College of Physicians and Surgeons is vested in the Board of Trustees of the University and in the Judicial Council and Senior Faculty of the Medical Department, as provided in the articles of incorporation of the University.

ENVIRONMENT

Los Angeles is the metropolis of the Pacific slope, with a population of 600,000 people and is increasing in population more rapidly than any other city in America. Los Angeles is the recipient probably of more of nature's lavishments of climatic and other advantages than any other city in the world. Located in the most fertile valley in charming Southern California, surrounded by orange, lemon and walnut groves, interspersed with strawberry fields and garden farms, which stretch away to the Pacific Ocean on the southwest, sixteen miles away, the cooling ocean breeze, filtering through orange and lemon groves as it spreads over the city, renders the days cool and pleasant, and the evenings delightful; while nestling down in a crescent of majestic splendor is the great city, from which is seen on the north, east and west the snow-capped Coast range of mountains, only a few miles away, which furnishes a setting of pristine splendor for the City of the Angels. It has been said that Los Angeles, with its environments of nature's charms, is indeed a playground for the real and the unreal, where angels, from which the city derived its name, bask in the semi-tropic glories of this land of sunshine and foliage and dip their wings each night and morn in the dew from the lips of flowers of the rarest fragrance and beauty. These words are spoken of the things that appeal to the eye, and the imagination, and only indicate a few of the elements that enter into the concrete fact that Southern California is an ideal health resort, not necessarily a place where invalids come, but a place where healthy, strong men and women as well delight to dwell and where life is worth living and things worth while.

Here in the heart of all these gifts of nature, is springing up a great medical center, the home of the College of Physicians and Surgeons, the Medical Departmnet of the University of Southern California. What more could be desired to make student life pleasant and attractive? The climatic conditions here are ideal and permit the student to spend much time in the open air and sunshine, conditions known to be conducive to health and general welfare.

The curriculum of this college is so full and so broad that it requires and exacts the greater portion of the student's time, but still there must be some time for relaxation and recreation, and here Nature has prepared in abundance opportunities for these necessities. The rigorous climate of the East and the Middle West keeps the student too much indoors, and, as a consequence, he becomes the subject of the devitalizing influences of a physically inactive life. We invite the attention of students whose health has become impaired by climatic conditions elsewhere, and yet we do not encourage invalids to come to Los Angeles for study in this college, for we do not believe that invalids should enter upon the study of medicine. The requirements are too exacting and the work too arduous, and the man or woman who is weak, mentally or physically, should not attempt the study or the practice of a profession requiring so much self-sacrifice and untiring effort.

The population of Los Angeles is essentially cosmopolitan. People in the different walks of life, from all quarters of the globe, are to be found here, and we have, therefore, an abundance of clinical material, which this college utilizes to the very best advantage.

FACILITIES FOR INSTRUCTION

The Faculty and the general teaching staff of the College of Physicians and Surgeons have been selected with scrupulous care and comprise many of the ablest teachers and leading medical men of the country. The instructors in each department have been selected upon their merits, each instructor working along his chosen line. This college lays much stress upon its laboratory equipment and the thoroughness of its laboratory courses. Two large and thoroughly equipped laboratories for the teaching of Chemistry, Pharmacodynamics and Physiology, modern laboratories for work in Pathology, Bacteriology and Histology, together with private laboratories for special and research work, all thoroughly equipped, also one of the most modern anatomical departments in the country, with ample material, make this school the pride of its founders and friends, and a worthy department of the University of which the College of Physicians and Surgeons is an integral part. But laboratory facilities and equipment alone are not sufficient for a thorough course in these departments. Laboratories must be manned by competent and experienced teachers and instructors, and in this college the laboratories are in charge of paid instructors, noted for their ability as teachers in their respective departments. The heads of departments in the first and second years devote their entire time to their department and to research work, each having full time assistants, as it has been found that men engaged in

outside pursuits cannot devote sufficient time to their departments, therefore at the close of the 1914-15 session, new heads of departments, from eastern medical centers, were placed in charge of all first and second year departments except the Anatomical, Histological and Embryological, with which the head of this most excellent department remains. In conjunction with the regular courses, the heads of departments with their assistants, will conduct research along various lines. The Educational Council of the American Medical Association and the Association of American Medical Colleges, require that research work, by competent men, at the head of departments, be carried on in recognized medical colleges, and that requirement is adhered to in this institution.

COLLEGE BUILDING

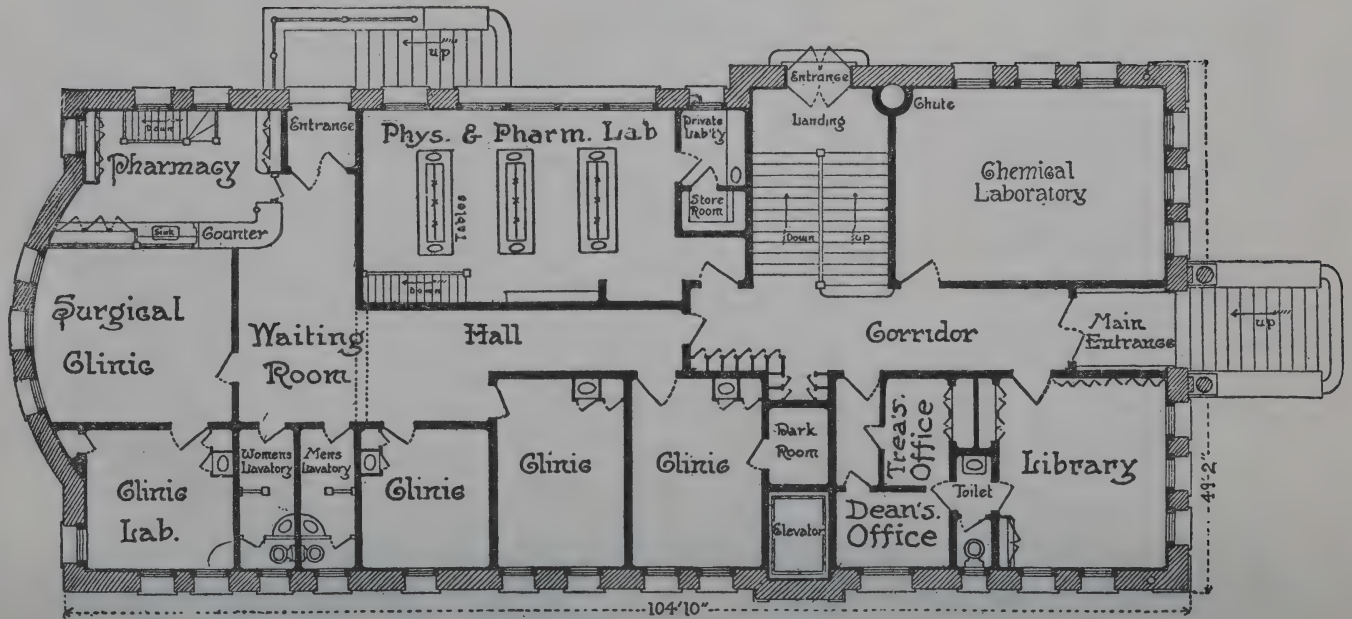
Located at 516 East Washington Street, in a charming section of Los Angeles, surrounded by splendid homes and easy of access, not on the outskirts of the city, not yet too near the business center, is to be found the modern and commodious building of the COLLEGE OF PHYSICIANS AND SURGEONS. Our college building was designed, planned and erected especially for our use, and contains all of the elements of a modern and up-to-date college building. It is three-story, with basement, built of brick, with stone facings, and is practically fireproof.

In the basement is located our instantaneous water heating system; a furnace which conveys heated air to each department, with apparatus for forcing cool and pure air into each room when needed; storage racks for anatomical material; a receiving and preparation room for same; and shower bath for use of the students.

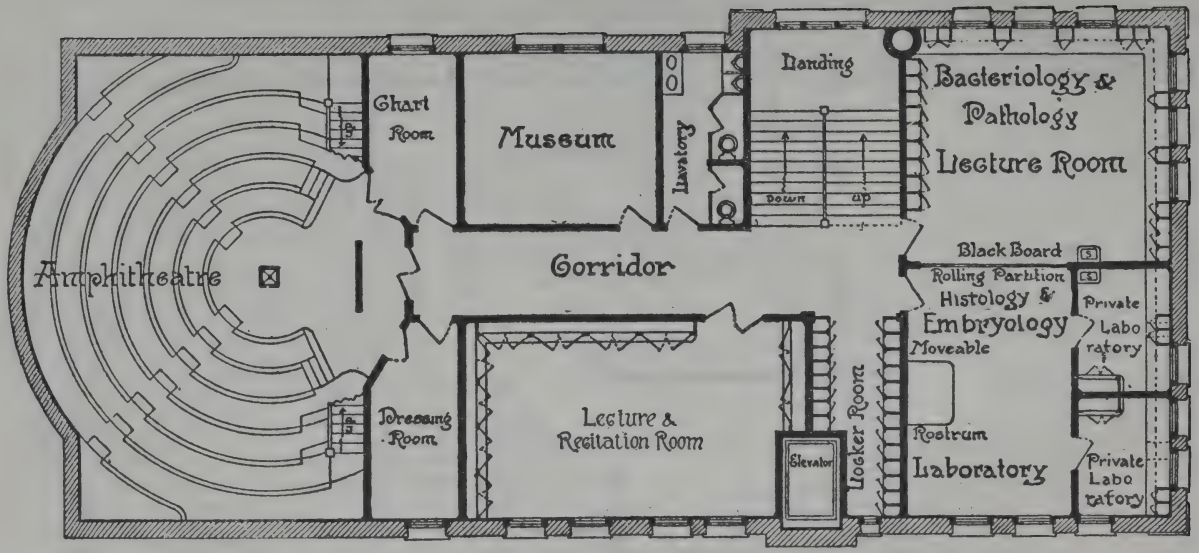
On the first floor is located the College offices, Library and Reading Room, Chemical laboratory, a laboratory for Physiology and Pharmacodynamics, thoroughly equipped with all modern apparatus and appliances, Clinical Rooms for each department of Medicine and Surgery, and Specialties, Operating Room, Sterilizing Room, Clinic Waiting Room and Drug Room, and a completely equipped Clinical Laboratory for the use of the Clinic Department.

Located on the second floor are the Pathological, Bacteriological, Histological and Embryological laboratories, which have east, north and west exposures, affording an abundance of light, and are well heated and equipped with all modern appliances. Glass covered tables are arranged around the north and west exposures, and all the latest apparatus has been installed. Each student is supplied with microscope (Bausch and Lomb's), with oil immersion lens, for use when required. Private laboratories form part of the main laboratory hall, thus affording opportunity for private re-

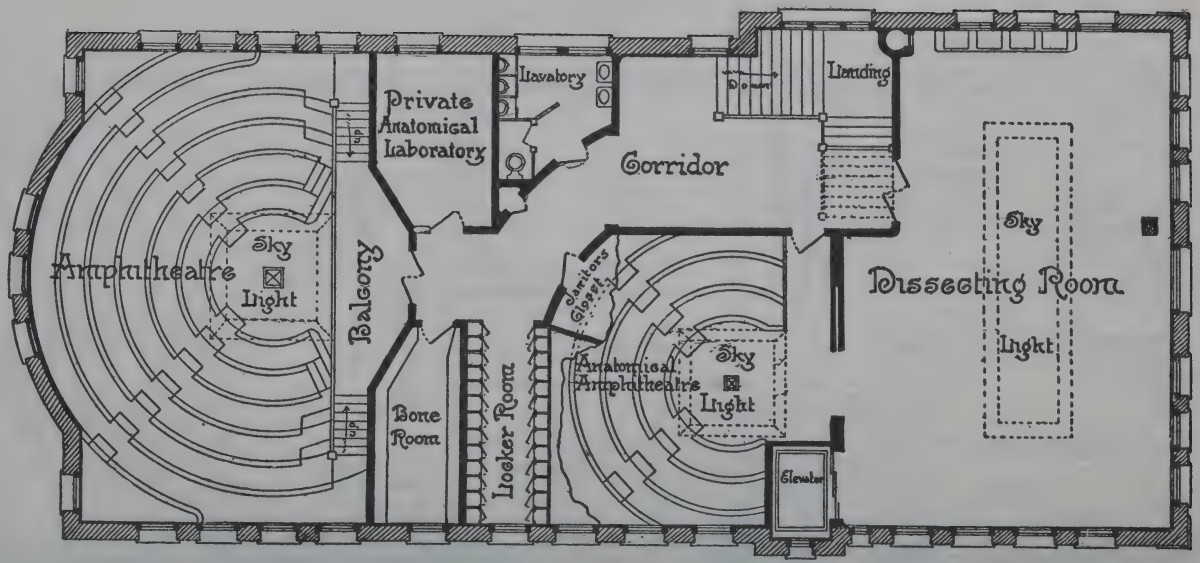
FLOOR PLAN OF COLLEGE BUILDING



PLAN OF FIRST STORY



PLAN OF SECOND STORY



PLAN OF THIRD STORY

search. On the second floor is also located one large amphitheatre, seated with two hundred modern opera chairs; also equipped with one of the latest projectoscopes; one lecture hall seated with opera chairs; an Electro-Therapeutic room, equipped with coils, X-Ray apparatus, and all necessary appliances; a chart room, supplied with imported charts, manikins, etc., arranged for use in various illustrative and didactic work. There is to be found upon the shelves of the College Museum many rare and valuable Pathological specimens. A room on the second floor has been set apart and furnished for the exclusive use of women students in attendance in this college, and this den is sacred to them, that they may not be disturbed in whiling away time, with or without the regular grind of daily study.

On the third floor is located our Anatomical Department, and it is most complete in every detail. Opening into our main Anatomical Department, by sliding doors, is our Anatomical amphitheatre, seated with opera chairs and arranged so that the most delicate operations and demonstrations upon the cadaver can be witnessed, a revolving table being used.

Much new apparatus is constantly being added in all departments, stereopticon illustration being one of the leading features in all departments, and, in fact, no expense is spared to most thoroughly equip this college with the latest and best paraphernalia and equipment for the teaching of modern medicine and surgery. All these features, and many more, serve to make our equipment modern and up-to-date in every detail and, at the same time, provide for the comfort and the health of our teachers and students.

LABORATORY EQUIPMENT

Division I. Anatomy, Histology and Embryology

(a) The Anatomical Laboratory is admirably adapted for the purpose of teaching practical Anatomy. The room is on the top floor of the College building and is well lighted, well ventilated, and is kept in a thoroughly sanitary condition. It is provided with every facility for giving students a detailed knowledge of Anatomical structures. A notable feature of the dissecting room is the excellent light from the roof through extensive skylights, and when sunlight fails, electricity is employed with equally good effect. In addition to abundant material for dissection, the Anatomical laboratory contains a large and very valuable collection of dissected parts, which have been especially prepared for their teaching value and not as a mere collection of rare specimens. They are displayed so that the student can acquaint himself with their anatomical importance. The lecture and demonstration amphitheatre is adjoining the dissecting laboratory, with folding doors leading into the lecture hall, thus offering additional facilities

for presenting the dissected specimens to the classes during lecture and demonstration. On the same floor a thoroughly equipped bone library is situated, which consists of articulated and numerous disarticulated human bones, perfectly bleached, entirely free from fat or any offensive odor. From this bone library, lateral halves of the human skeleton, arranged in neat wooden boxes, specially provided for that purpose, are loaned to the student, free of charge, to facilitate his study at home.

Across the hall from the bone library, special private laboratories are provided for the Professor and his assistants, for research work in General Anatomy, including Histology, Embryology and Neural Anatomy.

In order to meet the needs of this laboratory no efforts were spared in the equipment of same with the most modern scientific appliances, such as dissecting microscopes, a compound microscope of the very best foreign make, a precision microtome, a rotary microtome for serial sections and a number of other indispensable instruments. In connection with this laboratory a Chart and Model Room is maintained. This consists of many imported papier mache models of organs of the special senses, particularly brain and spinal cord, also about one hundred brush and paint anatomical charts 20x45 inches, made from actual dissections and painted by one of the best anatomical artists of the East.

(b) In addition to the complete and thoroughly equipped Anatomical Department, the Histological and Embryological Departments, which are a part of the Anatomical Section, are thoroughly equipped with all modern and up-to-date apparatus necessary for the teaching and conducting of these most important correlative branches. This department is abundantly supplied with high-grade microscopes, with Abbe condenser, diaphragm attachments and oil immersion lens, paraffin baths, the latest modern microtomes for celloidin and paraffin sections, projectoscopes, injection apparatus, charts, drawings and a vast collection of slides of tissue and organs, together with absolutely all necessary apparatus for bringing these two important departments up to the very highest state of efficiency.

Division II. Physiology, Pharmacodynamics and Dietetics

These departments are especially well equipped for the work necessary in these most important subjects. Much apparatus is needed and is at hand. It would be impossible to enumerate specifically the equipment, but suffice it to say that in the Physiological Department all necessary apparatus for blood work is at hand, spectroscopes, compound microscopes, kymographs, sphygmographs, respirometers, chronograph and stimulating apparatus, coils, batteries, cylinders and rheocords, moist chambers and all accessories for nerve work; heart levers, manometers, tonometers, etc., with accessories and all necessary apparatus for the study of capillary circulation; polariscopes, galvanometers and mercury cups for gas analytical

work, thermostats and incubators, perimeters, ophthalmometers and ophthalmoscope, lenses.

Division III. Chemistry, Toxicology and Hygiene

The Chemical Laboratories are especially well equipped with fume chambers, drying ovens, spectroscopes, Kjeldahl nitrogen apparatus, apparatus for milk analysis, in fact all apparatus necessary to form a most complete and up-to-date Chemical Laboratory. The Chemical Laboratory contains individual lockers, equipped with all necessary apparatus to perform the experiments outlined in the syllabus, ventilating hoods, drying ovens, Kjeldahl stands, quantitative balances, freezing point apparatus, etc., are to be found among the equipment, and are so arranged that while the students work in sections, each performs individually, every experiment.

Division IV. Pathology, Bacteriology and Clinical Microscopy

(a) The Pathological Laboratory is furnished with Paraffin Bath and the necessary accessories for the proper embedding of tissues, a microtome for cutting celloidin sections, and one for cutting paraffin sections, a freezing microtome, a projectoscope and charts, as well as a collection of microscopical specimens of all the ordinary pathological lesions and many of the rare conditions, which are given to the student for study.

Each student is supplied with a microscope furnished with the necessary objectives, oculars, Abbe condenser, diaphragm, etc.

In addition to this, each student is supplied with a complete set of mounting and staining materials suitable for doing first-class work in the preparation of his own specimens. In order to enable the student to do efficient work, the classes are divided into sections when necessary, so as to afford ample room and opportunity for each one to work independently of the other.

Each student must supply himself with a suitable drawing outfit and must draw the essential features of the various lesions as represented by the slides which are furnished by the Department.

The Museum, which is located on the second floor of the College building, is equipped with a large supply of specimen jars, and the gross specimens, which already include most of the pathological tissues number. These specimens are catalogued by card index system, which enables the department to keep data of each specimen. The specimens are given to the students repeatedly during the course of the year to enable them to become familiar with the naked-eye appearance of gross pathological lesions.

(b) In the Bacteriological Department, the equipment is ample to permit two students to work entirely independently of the remainder of the class, in the preparation of culture media, staining fluids, etc., while for the

sterilization of glass-ware and of the finished media, one hot air oven is supplied to each group of five students, and one autoclave and one Koch's serum oven for each group of twenty-five students.

Each group of two students is supplied with boilers, burettes for accurate titration and adjustment of the reaction of the media, glass funnels with filter paper and cheesecloth, test paper, cork borers, scales, and materials for making the ordinary culture media, as bouillon, gelatin, agar, milk, potatoes and blood serum.

Each student is individually supplied with an ample number of culture tubes, Petri dishes, flasks, cleaning brushes, fermentation tubes, platinum wires, plain and hollow ground slides, staining fluids and mounting materials.

The department has an ice chest for preserving media and certain cultures, an incubator, electric centrifuge, Novi jars for anaerobic bacteria, animal holders to facilitate inoculation, etc.

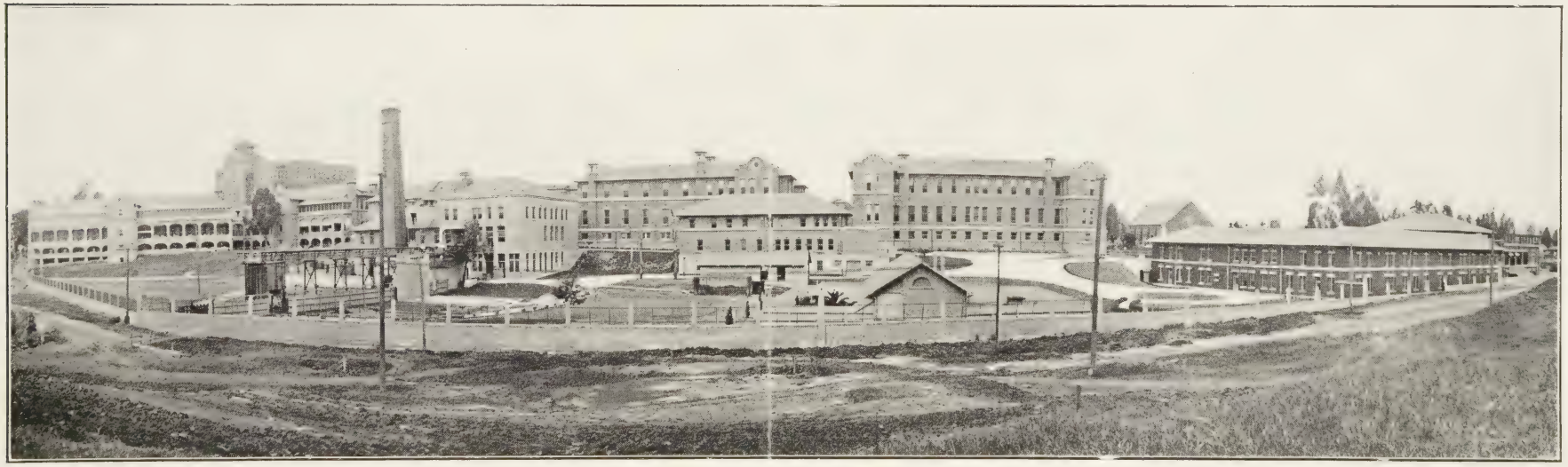
In the preparation of culture media the students work in the laboratory on the first floor, where at present our facilities in the way of gas, water, and desk room are greater than in the laboratory on the second floor; the latter laboratory is well lighted and has ample desk room and seating capacity, and is used by the students in class work, viz., in inoculation of media, study of biological characteristics and microscopical appearances, each student being provided with a microscope. This room is also supplied with lockers, in which the student keeps such cultures as do not require the incubator. The incubator is also located in this room, to which the student can have access as often as is necessary to enable him to note the rate of growth and other characteristics of the cultures.

CLINICAL FACILITIES

COUNTY HOSPITAL CLINIC

The Los Angeles County Hospital, the most extensive, modern and up-to-date county charity institution in the West, with one thousand two hundred and fifty beds, detention wards for the insane, modern medical, surgical and contagious wards and departments, where all manner of surgical and medical cases may be studied and observed, offers rare and ample opportunities for the study of not only the ordinary diseases and conditions usually met with in other large hospitals, but also rare tropical and semi-tropical diseases that drift into Los Angeles through our seaport, the gateway of entrance from Panama, Hawaii, the Philippines, etc., the study of the diseases indigenous to which is most necessary at this time. Many interesting cases are met with daily, which afford unusual opportunities for research, and it is the policy of the clinical and laboratory staffs

LOS ANGELES COUNTY HOSPITAL—FRONT VIEW



LOS ANGELES COUNTY HOSPITAL—REAR VIEW

in this college to foster and assist students along these lines of work. The advantages to the student here consist not merely in his walking through the wards, observing patients, with an occasional opportunity to examine, but the Senior and Junior classes are divided into sections and these sections of two and three students are allotted cases each week and are required to examine and diagnose by the latest and best known laboratory and clinical tests, write histories covering the etiological factors of each disease and outline the treatment and management of given cases throughout the different stages. This does not, however, end the student's interest in the case, which must be followed to convalescence or to autopsy, in which event, the pathological findings are recorded and reported upon by the section in charge of the case, the efficiency, or otherwise, of work thus done being noted.

The opportunities for the study and observation of acute Surgery are abundant, many cases being sent in from the City Hospital after first aid is given, and hundreds of cases being taken direct to the hospital for first aid and subsequent treatment. The Ambulatory Surgical clinic is unexcelled, and the Detention Wards afford a rich field for the study of the various forms of neurotic cases and conditions. Students in this college are required to serve their time in each and all of the various departments of this hospital, which offer so rich a field for clinical experience.

Washington Street Clinic

(College Dispensary)

From 1 to 3 p. m. each day, excepting Sundays and holidays, the College Dispensary is open to the needy poor. The Dispensary Staff of the college, composed of over thirty carefully selected professional men and women, give their very best services to those applying for treatment, and, as the College of Physicians and Surgeons is located in a decidedly well-to-do neighborhood, therefore the clinics in this institution are of a decidedly high order, capable of giving a complete case history, which enables the teacher and student to carefully study each case in detail and note from time to time the effect of therapeutic measures. Material coming to this clinic is ample and of splendid quality. More than fifty patients apply daily for treatment in the various departments of this clinic, and the number is steadily increasing.

A registered pharmacist is in charge of the prescription department and students are rotated in sections through this department and have practical experience under the direct instruction of the pharmacist in charge. Prescriptions are compounded as the attending physician orders, no stock formulas being permitted.

Homer Toberman Clinic

Known as the Seventh Street Clinic, located at 2027 East Seventh Street, corner Mimosa Street, was established by the City Mission Board of the Methodist Episcopal Church, South, and turned over to this College. This clinic is open to the needy poor from 1 to 2:30 p. m. each day, excepting Sundays and holidays. It is in the heart of the clinic district of Los Angeles, and a most flourishing and prosperous clinic has been established. Every department of medicine and surgery is represented. Sections from the Junior class are rotated through this dispensary and this addition to our clinical facilities gives us more than ample material for teaching purposes. This clinic is convenient of access to the College, and is reached by two main trunk street railroads, which places this vast clinic field within easy reach of this school.

Out-Patient Clinic

The Out-Patient Clinic available is extensive. The population of the city of Los Angeles has a large foreign and floating element, which contribute largely to our clinics in all departments. Our clinics draw materially, though not wholly by any means, from this available material and our Out-Patient Clinic, Obstetrical and General, is made abundant by conditions always existing in a city of over a half million population. The clinics maintain a well regulated system of assigning students from the upper classes to this out-patient service, of which complete record is kept and control maintained, the Obstetrical service being especially abundant.

LIBRARY FACILITIES

The College Library and Reading Room is located on the first floor and occupies a spacious, well-lighted, heated and ventilated room, with east and north frontage, furnished with three large library tables, around which students gather, and with comfortable arm reading chairs placed around the room in sufficient numbers to accommodate as many students as desire to avail themselves of this splendid advantage. About two thousand medical volumes, many of them the latest modern text and reference books, are on the library shelves, and over eighty up-to-date (and many of them the leading) medical periodicals come regularly to our library table. The library is under the control of a librarian and the Dewey library system of receiving, marking, listing and distributing is maintained.

The College of Physicians and Surgeons being an integral part of the University of Southern California, our students have free access to the University library, containing over *seventeen thousand volumes,*

covering the entire range of literary and scientific subjects. The Barlow Medical Library, containing about four thousand volumes, donated to the medical profession of Southern California, is available to the students of this College. The Los Angeles County Hospital also has a good medical library, to which our students have access.

A very important feature of our library facilities is the large number of current medical journals from throughout the country coming regularly to our library tables, which enables the upper class students to keep in touch with current medical topics. The women members of the various classes have their separate reading room, splendidly furnished and equipped.

PART III.

REQUIREMENTS FOR MATRICULATION, ADVANCED STANDING AND GRADUATION

REQUIREMENTS

Requirements for Freshman Matriculation

Session of 1915-16

Applicants for matriculation are requested to enroll early, at 810 Citizens National Bank Building. No student will be matriculated later than September 16.

Present your preliminary credentials to the Registrar of the University, securing from the Credential Committee of the University of Southern California a certificate covering Requirements I and II as mentioned below.

Requirement No. I

A diploma and transcript of record from a fully accredited high school,[1] normal school, or academy, requiring for admission evidence of the completion of a standard course in primary and intermediate grades, and for graduation the completion of a standard high school course embracing the fourteen units mentioned below; or an examination[2] in the following branches, totaling fourteen units,[3] to be made up of *seven required* and *seven elective* units as prescribed in the following table:

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[1]The term "accredited" as applied to high schools, academies, colleges, and universities means institutions of those types that have been investigated and are accredited by the State University of their respective states, or by the North Central Association of Colleges and Secondary Schools, the Association of College and Preparatory Schools of the Middle States and Maryland, the New England College Entrance Certificate Board, or the Association of American Universities.

[2]This examination must be conducted by and under the authority of the Board of Medical Examiners of the state in which the college is located, or by a duly authorized examiner of the College Entrance Examination Board, or by the authorized examiner of an accredited university, state or otherwise, or by an examiner whose certificates are accepted by accredited colleges or universities, or by a method approved by the Judicial Council of the Association of American Medical Colleges. The Credential Committee of the University of Southern California was appointed pointed by the Board of Medical Examiners of the State of California to pass upon and evaluate preliminary credentials of medical students in the southern part of this state.

[3]A unit is the credit value of at least 36 weeks' work of 4 or 5 recitation periods per week, each recitation period to be of not less than 40 minutes. In other words, a unit represents a year's study in any subject in a secondary school constituting approximately a quarter of a full year's work. A satisfactory year's work in any subject cannot be accomplished under ordinary circumstances in less than 120 sixty-minute hours, or their equivalent.

	Required Units	Elective Units	Total Units
ENGLISH—			
Reading and Practice	2	.....	2
Study and Practice	....	1	1
MATHEMATICS—			
Algebra to Quadratics	1	.....	1
Algebra (quadratic equations, the binominal theorem and the progressions)	....	½	½
Plane Geometry	1	.....	1
Solid Geometry	....	½	½
Trigonometry	....	½	½
LATIN—			
Grammar and Composition	....	1	1
Caesar	....	1	1
Cicero	....	1	1
Virgil	....	1	1
Cornelius Nepos	....	1	1
GREEK—			
Grammar and Composition	....	1	1
Xenophon	....	1	1
Homer	....	1	1
GERMAN OR FRENCH[4]—			
Elementary	2	.....	2
Intermediate	....	1	1
SPANISH—			
Elementary	....	2	2
SCANDINAVIAN—			
Elementary	....	2	2
HISTORY—			
American History and Civil Government	1	.....	1
Greek and Roman History	....	1	1
Medieval and Modern History	....	1	1
English History	....	1	1

[4]Two units of Greek or Latin may be substituted for the two required units of French or German. But this will necessitate extra work in French or German in the college year. See note 7.

SCIENCE[5]—			
Biology		1	1
(Or Botany and Zoology, each)		1	1
Chemistry		1	1
Physics		1	1
Physiography		½	½
Physiology		½	½
Agriculture		1	1
Drawing		1	1
Manual Training		1	1
Domestic Science		1	1
Music (Appreciation or Harmony)		1	1
Total	7	28½	35½

REQUIREMENT No. II.

In addition to the above prescribed college preparatory units, *one year's work of college grade*[6] in Physics, Chemistry, Biology, and German (or French), as indicated[7] in the following schedule:

	Lectures or Recitations per week	Laboratory[8] Periods per week	Total Hours per Semester	Total Semester Hours per year
Physics[9]	2	2	4	8
Chemistry	2	2	4	8
Biology	2 or 3	2 or 1	4	8
German or French	4 or 3		4 or 3	8 or 6
Totals	10	6 or 5	16 or 15	32 or 30

[5]It will be greatly to the student's advantage to include Biology, Chemistry, and Physics among his elective units. See note 7. Credentials of each science course must include evidence of laboratory work.

[6]The work of this preliminary college year must extend through one college session of at least thirty-two weeks of actual instruction, including final examinations. In excellence of teaching and in content, the work of this preliminary college year must be equal to the work done in the Freshman year in standard colleges and universities.

[7]The statement of units and of hours of recitations as given in the lists presupposes that in each case one unit of preparatory work in that subject (two units in the case of German and French) has been offered for entrance to the college course in question. If in the case of any subject except Physics (see note 9) this preparatory work has not been done, the deficiency must be made up in full during the course of the college year prior to matriculation in the College of Physicians and Surgeons.

[8]Each laboratory period must extend over at least two hours.

The foregoing table may be expressed in class hours as follows:

	Total Hrs. Lectures or Recitations	Total Hours Laboratory Work	Total Minimum Hrs. Didactic and Laboratory
Physics[9]	64	128	192
Chemistry	64	128	192
Biology	64 or 96	128 or 64	192 or 160
German or French	128 or 96		128 or 96
Totals	320	384 or 320	704 or 640

Requirements for Freshman Matriculation, Session 1916-17

Requirement No. I—(See Page 32.)

Requirement No. II—Two years of college work.

COURSE OF STUDY

Each student is required to be in attendance not later than ten days after the opening of each session and to attend at least eighty per cent of all exercises in every annual course of study, for which he seeks credit. No student shall be given credit on examination unless he shall have attained a grade of at least seventy-five per cent or its equivalent in any other marking system, and no student shall be graduated unless he shall have attained a passing grade on examination of at least eighty per cent in each and all subjects taught and examined upon in this college.

The curriculum of study in this college is divided in a manner that enables the student to complete his minors, together with the majority of the laboratory courses, during the Freshman and Sophomore years, thus enabling the Junior and Senior students to avail themselves of the vast didactic, recitative and clinical work, which compose the last two years of the course in this institution.

The carrying and removal of conditions in all cases will be governed by the rules and regulations promulgated from time to time by the Association of American Medical Colleges and in conformity to the State Law of California. When not conflicting with these rules and regulations, it will be necessary in order that a student may advance from one grade to the succeeding or higher grade, that he pass at least all but two of the required examinations in the branches or subjects taught in that year, except passing from the Junior to the Senior year. Should he fail to pass

[9]For the one-year Physics requirement, may be substituted one unit of high school Physics and a half-year of college Physics, which continues, and does not duplicate, the work done in high school.

the examinations at the beginning of the succeeding session, in the subjects in which he has been conditioned, as stated above, he may enter that class as a conditioned student for that one session only, and if he does not remove said conditions by the end of the session, he must repeat the work of the year imposing such conditions.

No student can, therefore, become a conditioned or an unconditioned member of the Sophomore class unless he has at least passed all but two of the required Freshman year examinations when that year closes; nor of the Junior class unless he shall have passed the Freshman year examinations and, in addition, at least all but two of the Sophomore year examinations at the close of that year; nor of the Senior class unless he shall have passed all of the Freshman, Sophomore and Junior year examinations. This college does not permit the carrying of conditions into the Senior year.

This college reserves the right to refuse admission to any student or to terminate the attendance of any student, at any time for what may appear to the Dean and Judicial Council to be good and sufficient cause, as inefficiency, conduct unbecoming a gentleman, or conduct not conducive to the morale of the class or institution; also, to refuse a student the privilege of any special or final examination, for causes, as above stated.

Students will not be permitted to substitute private work in any branch for the regular college work prescribed in our curriculum, except under the direct supervision of an instructor designated or appointed by the Dean. Examinations will be conducted in such work done by the Professor to whose department it belongs; no markings nor credits from private instructors will be recognized by this college.

A student entering this college is not only supposed to, but will be required to conform to all rules and regulations of the college as promulgated from time to time by the Dean.

A student who is under suspension or expulsion from an accredited medical college, will not be matriculated in this institution without the written consent of the college imposing such.

A student defacing or injuring the property of this college will be required to make due reparation for same.

ADVANCED STANDING

This college does not grant time credit to students holding a baccalaureate degree or a degree in Pharmacy or Dentistry, nor for time spent in any other than a regular recognized College of Medicine and Surgery, whose curriculum and course meet the requirements of the Association of American Medical Colleges; but we may grant the stu-

dent subject credit for work done, providing, of course, satisfactory evidence of such work having been done is furnished; thereupon the student may avail himself of equivalent electives.

A student who has previously matriculated with and has spent time in another accredited medical college, recognized as such by this institution, will be required to present to the Dean of this college a statement from the Dean of the college he has attended, stating that he has paid all dues and fees due said college, that he is free from all charges or demerits of whatever nature, and that he has satisfactorily completed the course of study prescribed by the curriculum of said college; and provided that the entrance requirements of the college from which he presents his credentials were equivalent to those of the Association of American Medical Colleges at that time, and the course of study provided and set forth in each student year was equivalent to the requirements of this school; and provided, further, that the Judicial Council are satisfied with his credits and markings, taking into consideration his general average, which will include his percentage of attendance upon all lectures, recitations, laboratory work and clinics, then the student may enter upon his work in the succeeding grade, but before advanced standing will be granted him the Dean of this college will verify the student's credentials, and if found complete and satisfactory, credit for the work will be entered upon the records of this college; but such advancement will not exempt the student from the final examination requirements exacted of all students applying for a degree from this college.

A student presenting credentials and credits from another medical college, recognized by this college, should bear in mind the fact that such credentials must show that the credits were received in the regular way, and in the regular course of instruction; that said course must have been regular and in accordance with the requirements of the Association of American Medical Colleges, the California State Law and the Board of Medical Examiners of the State of California. No credit whatever will be allowed for time not actually spent in a regular recognized medical college.

A student who has attended one or more courses in an otherwise reputable medical college, but whose entrance requirements are not now equivalent to those of this institution, notwithstanding he may meet our class examination requirements, will not be granted advanced standing, unless the preliminary qualifications of said student were equivalent to the requirements of this college at the date of his matriculation with the college from which he comes.

Graduates of medical colleges, whose requirements were equivalent to those prescribed by the Association of American Medical Colleges, and whose credentials are recognized by the Board of Medical Examiners of the State of California, will be admitted to the Senior class without ex-

amination, provided, however, that the curriculum of study of the aforesaid college covered three full years, and provided also that the requirements for matriculation were equivalent to the requirements of the Association of American Medical Colleges at the time of his matriculation. Should, however, the college from which the applicant graduated have only prescribed and required at the time of his graduation a two years' course, the applicant will be matriculated in the Junior year and be required to pursue the course outlined in our Junior year schedule, provided that the matriculant is working for a degree from this school, but not otherwise. Juniors and Seniors of this college are required to attend at least eighty per cent of all clinics throughout the Junior and Senior years.

To graduates and students of reputable colleges of Homeopathic or Eclectic Medicine will be granted time credits for as many years as they attended those colleges, provided they have met the previous requirements of the Association of American Medical Colleges, and they pass an examination in Materia Medica and Therapeutics, as prescribed by this college. All students admitted to advanced standing must show credentials of having passed regular examination in the branches taken in the year preceding the one they desire to enter, or pass such examination in this college.

REQUIREMENTS FOR GRADUATION

The applicant for the degree of Doctor of Medicine must have fulfilled all the requirements, as set forth in this announcement, and other additional requirements that may be promulgated from time to time by this college.

1st. He must have attained the age of 21 years and bear a good moral character.

2nd. He must notify the Dean on or before the first day of April of the College year, in writing, of his intention to apply for, and to take the final examinations of this college; said application must be accompanied by the examination fee of Twenty-five Dollars, all previous college fees having been paid.

3rd. He must have previously met all the matriculation requirements of this college, must have attended at least four full courses of lectures, recitations, laboratory work, and clinics, in an accredited medical college, whose requirements are equal to those prescribed by this college, no two courses having been done in the same year, the last course of which must have been in this college. If the student has attended courses in another medical college, recognized by this institution, he must satisfy the Judicial Council, through the Dean, regarding his standing and his proficiency in the branches completed, either by examination or otherwise as the Judicial Council may elect.

4th. He must have completed the required courses in all the departments of the college, and his percentage of attendance must be at least eighty per cent in all departments, and his percentage of proficiency on examination must not be less than eighty per cent in all the branches indicated in our curriculum.

5th. He must be present at the time and place scheduled by the Dean for final examinations, and his absence from an examination in a given department will indicate failure in that department, and will be entered as such against the student.

6th. He must undergo a written final examination, or both written and oral, if required, in all departments; each paper must be written in English; and penmanship, orthography, punctuation, general style and characteristics of each paper will be considered.

7th. He must be free from demerit marks, must have discharged all conditions in each and every department and must be present at the Commencement Exercises, unless excused in writing by the Dean.

COMBINED SEVEN-YEAR COURSE FOR DEGREE OF A.B. AND M.D.

Students who have matriculated in the College of Liberal Arts of the University and who plan to study medicine, may so combine the four-year course for the A.B. degree with the four-year course for the M.D. degree as to take both degrees in seven years.

COMBINED COURSE FOR DEGREE OF A.M. AND M.D.

Students holding the A.B. degree from recognized colleges and who enter the Freshman class of the College of Physicians and Surgeons, may matriculate at the Graduate School of the University, thus becoming candidates for the A.M. degree. Registration at the Graduate School may be made at any time before the opening of the Junior year. The candidate pursues advanced study along some special line and submits a thesis embodying original research. The degree of Master of Arts is given to the candidate upon the completion of the requirements for the advanced degree.

SUMMER TERM, 1916

Beginning on June 26, 1916, this school will give a summer course of twelve weeks' duration. This summer term will be available to students of medicine and to graduates in medicine and surgery who may desire to avail themselves of these advantages. No student will be eligible for this summer course unless he or she is able to meet our matriculation requirements; in other words, this course is only open to regular students of

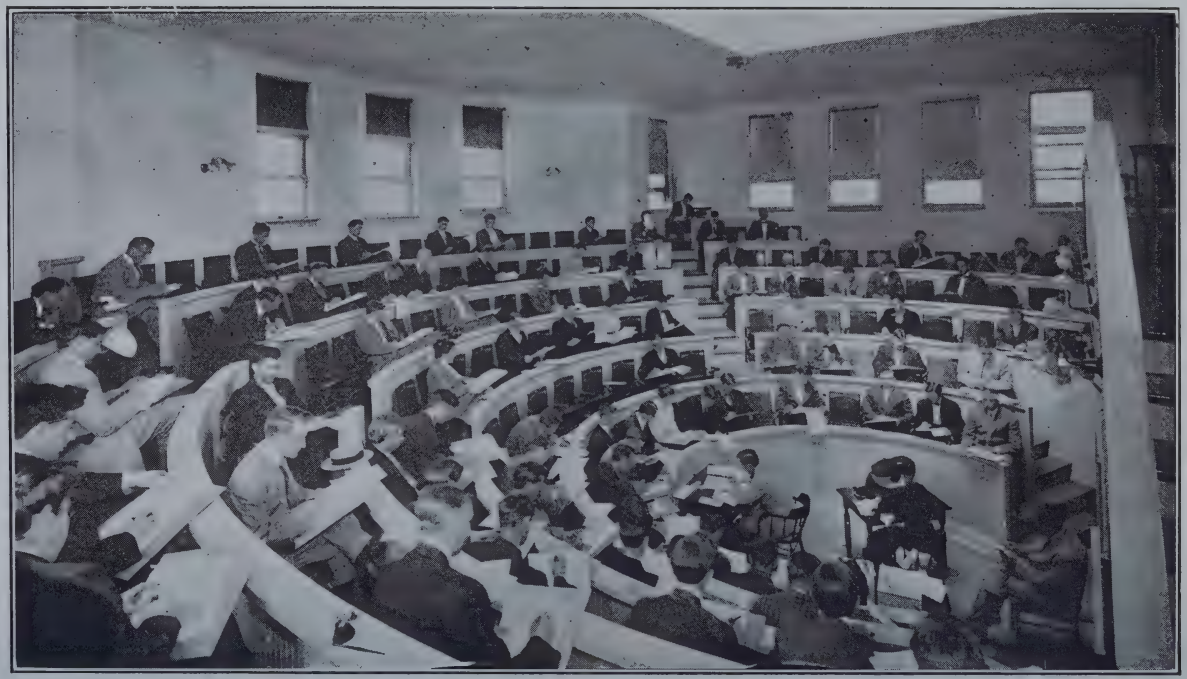
medicine and surgery and to graduates of recognized medical institutions. The advantages offered in this summer course are of the very highest grade and will enable the student to take up and carry on uncompleted work in the various departments. Subject, but not time credits, will be given for work done in the summer course in this school.

Application for registration in this course must be made sufficient time in advance of the opening of the summer course to enable the arranging of the work in the various departments. It will be seen that this course offers opportunities to practitioners to do work along special lines, while undergraduates attending this course may be given subject credits for work done either toward making up any subject in which their course is deficient, or as a credit toward the work of the following session, providing full time credit is shown. This does not apply to the work of the Senior year, which will be final only in the case of those students whose previous course was taken in this school. Undergraduates will find this course particularly helpful in affording extra time and facilities for completing the work of the regular term schedule.

Fees for the Summer Course

Registration fee ..... $ 5.00
(Students previously matriculated with this school, exempt from this fee.)
Post-Graduate or Practitioner's course 100.00
Undergraduate course for each subject taken 25.00
Laboratory deposit 10.00
Required in laboratory branches, to cover breakage. Unused portion will be returned.
Dissection material per part 5.00

Students are required to register at the Dean's Office, 810 Citizens National Bank Building, and obtain card admitting to various departments. Address all communications to the Dean.



ONE OF THE AMPHITHEATRES AND LECTURE ROOMS DURING EXAMINATION

PART IV.

GENERAL INFORMATION

Registration

Applicants for matriculation are required to register at the Dean's office, 810 Citizens National Bank Building, Fifth and Spring Streets, and secure matriculation card. (See Page 32.)

Students are required to register *each year* at the Dean's office, *not later than ten days after the opening of the session.*

College Fees

Matriculation Fee (paid but once)	$ 5.00
Tuition Fee (payable in advance), per year	150.00
Chemistry Laboratory Fee, Freshman year	10.00
Advanced Physiology, Pharmacodynamics and Dietetics Laboratory Fee, Sophomore year	10.00
Other General Laboratory Fees (first three years)	5.00
County Hospital Ticket (Junior and Senior years only) (Payable at the County Hospital. This ticket entitles the holder to clinical privileges in the County Hospital and applies to all students in attendance there.)	5.00
Final Examination Fee, Senior year (not returnable)	25.00

A rental of $5.00 for microscope and $2.00 for immersion lens is charged each year for their use in Histology, Embryology, Bacteriology, Pathology and Clinical Microscopy.

A deposit of $10.00 is required of all students to cover breakage and damage to buildings and equipment. The unexpended balance is refunded at the close of the year.

These fees are payable in advance each year. If not paid within four weeks of the beginning of the course, the right to attend lectures may be forfeited, and no student will be permitted to take an examination who is in arrears for fees, and no advanced standing whatever will be given a student under such conditions.

Expense of Living in Los Angeles

The student can live in Los Angeles as in other large cities, moderately or extravagantly, according to his means or his habits of life. Good room and board near the college may be had for $25.00 per month.

Prizes to be Awarded, Session 1915-16

The Faculty will give a prize to the member of the Freshman Class who obtains the highest general average in the final examinations upon the studies of that year.

The Faculty will give a prize to the member of the Sophomore Class who obtains the highest general average in the final examinations upon the studies of that year.

The Faculty will give a prize to the member of the Junior Class who obtains the highest general average in the final examinations upon the studies of that year.

The Faculty will give a prize to the member of the Senior Class who obtains the highest general average in the final examinations upon the studies of that year.

Surgery Prize

Professor James H. Seymour will give a prize to the member of the Senior Class who obtains the highest general average throughout the year in the department of Surgery. Attendance, class and clinic work, general deportment and efficiency will count in the awarding of this prize.

Gynecology and Abdominal Surgery Prize

Professor Charles W. Bryson will give a prize to the member of the Senior Class who obtains the highest general average throughout the year in the department of Gynecology and Abdominal Surgery. Attendance, class and clinic work, general deportment and efficiency will count in the awarding of this prize.

Hospital Positions

Internships and appointments in hospitals throughout the city and in surrounding towns are available to graduates from this college; in fact, in the past we have been unable to fill the positions open to appointments.

Places of Association, Recreation and Amusement

The students of medicine in this college, as in other medical institutions throughout the country, come from the various walks of life. By this we mean environmental influences; therefore, each seeks for himself a continuation or renewal of those environments which have shaped his habits and moulded his methods of life, as it were. This city affords, in abundance, opportunities for individual gratifications. Churches of all creeds and denominations are here in plenty, the Y. M. C. A. is strong and influential and extends a cordial welcome to young men who seek the refining influences of this splendid association. The Y. W. C. A., working

along the same lines, is ever ready and anxious to serve the young woman who may wish to have thrown about her a Christian influence and a friendship that does much to assist, to shield and to protect. Then, on the other hand, we have clubs, social and political; lodges and societies of all kinds; high class theaters and places of amusement; and, in fact, all things that serve to relieve the student mind at times from the strain and grind of college work, all of which are necessary and right, when properly indulged in.

How to Reach the College

Take Maple Avenue or San Pedro Street cars, going south, to Washington Street.

Further Information

Upon arrival in the city, go directly to the office of the Dean, Dr. Charles W. Bryson, 808-815 Citizens National Bank Building, Fifth and Spring Streets, make known your wishes and present your credentials. You will receive the most courteous treatment, and full information will be given you on all subjects pertaining to the college, either by the Dean in person or his secretary. The Clerk of the College will be instructed to assist you in selecting suitable quarters, and each member of the Faculty, as well as many students of the school, will endeavor to make you feel at home. The term opens promptly on the 6th of September in all departments, and there is no waste of time until Commencement Day, the 7th of June.

Address all communications relative to college matters, applications for catalogues, etc., etc., to the Dean.

DR. CHARLES W. BRYSON,
808-815 Citizens National Bank Building.
Los Angeles, California.

PART V — SCHEDULES OF STUDY

The right is reserved by the Judicial Council to make any changes deemed necessary at any time in the schedules of study, either before the opening of the college session or during the session, the issuing, or posting of a schedule or other notice of changes, by the Dean, sufficing.

Freshman Year Schedule for Session 1915-16. First Trimester, September 6 to December 4, 1915

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
A. M. 8-9	Anatomy Lecture Prof. White	Anatomy Recitation Prof. White	Anatomy Lecture Prof. White	Anatomy Lecture Prof. White	Anatomy Recitation Prof. White	Anatomy Lecture Prof. White
9-10	Histology Recitation Prof. White	Histology Lecture Prof. White		Histology Recitation Prof. White	Histology Lecture Prof. White	
10-11	Histology Laboratory Prof. White	Organic Chemistry Lecture and Laboratory Prof. MacArthur	Anatomy Prof. White	Histology Laboratory Prof. White	Organic Chemistry Lecture and Laboratory Prof. MacArthur	Anatomy Prof. White
11-12						
P. M. 1-3	Anatomy Laboratory Prof. White					

Freshman Year Schedule for Session 1915-16. Second Trimester, December 6, 1915, to March 4, 1916.

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
A. M. 8-9	Elementary Physiology Lecture and Recitation Prof. Hammett		Materia Medica Lecture Dr. Bames	Elementary Physiology Lecture and Recitation Prof. Hammett		Physiology Lecture Prof. Hammett
9-10	Elementary Physiology Laboratory Prof. Hammett					Physiology Quiz Prof. Hammett
10-11						Materia Medica Lecture Dr. Bames
11-12	Organic Chemistry Lecture Prof. MacArthur		Histology Lecture Prof. White	Organic Chemistry Lecture Prof. MacArthur	Histology Lecture Prof. White	Organic Chemistry Lecture Prof. MacArthur
P. M. 1-3	Anatomy Laboratory Prof. White					
3-5	Organic Chemistry Laboratory Prof. MacArthur					

Freshman Year Schedule for Session 1915-16. Third Trimester, March 6 to May 27, 1916.

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
A. M. 8-9	Embryology Lecture Prof. White	Anatomy Lecture Prof. White	Embryology Recitation Prof. White	Anatomy Lecture Prof. White	Embryology Lecture Prof. White	Embryology Laboratory Prof. White
9-10	Physiology Laboratory Prof. Hammett	Embryology Laboratory Prof. White	Elementary Physiology Laboratory Prof Hammett		Ele. Physiology Recitation Prof. Hammett	
10-11					Ele. Physiology Conference Prof. Hammett	Physiology Laboratory Prof. Hammett
11-12	Histology Lecture Prof. White	Physiology Lecture Prof. Hammett			Histology Lecture Prof. White	
P. M. 1-3	Anatomy Laboratory Prof. White					

Sophomore Year Schedule for Session 1915-16. First Trimester, September 6 to December 4, 1915.

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
A. M. 8-9	Physiology Lecture Prof. Hammett	Physiology Lecture Prof. Hammett	Dietetics Lecture Prof. Hammett	Physiology Conference Prof. Hammett	Dietetics Recitation Prof. Hammett	Pathology Lecture Prof. Byrnes
9-11	Physiology Laboratory Prof. Hammett					Pathology Laboratory Prof. Byrnes
11-12	Bacteriology Lecture Prof. Byrnes					Pathology Quiz Prof. Byrnes
P. M. 1-3	Bacteriology Laboratory Prof. Byrnes					

Sophomore Year Schedule for Session 1915-16. Second Trimester, December 6, 1915, to March 4, 1916.

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
A. M. 8-9	Anatomy Lecture Prof. White	Pathology Lecture Prof. Byrnes	Anatomy Lecture Prof. White	Pathology Lecture Prof. Byrnes	Anatomy Lecture Prof. White	Anatomy Lecture Prof. White
9-11	Anatomy Laboratory Prof. White	Pathology Laboratory Prof. Byrnes	Anatomy Laboratory Prof. White	Pathology Laboratory Prof. Byrnes	Anatomy Laboratory Prof. White	Anatomy Laboratory Prof. White
11-12	Pathology Lecture Prof. Byrnes	Anatomy Lecture Prof. White	Pathology Lecture Prof. Byrnes	Anatomy Lecture Prof. White	Pathology Lecture Prof. Byrnes	Anatomy Recitation Prof. White
P. M. 1-3	Pathology Laboratory Prof. Byrnes	Anatomy Laboratory Prof. White	Pathology Laboratory Prof. Byrnes	Anatomy Laboratory Prof. White	Pathology Laboratory Prof. Byrnes	
3-4	Pharmacodynamics Lecture Prof. Hammett					
4-6	Pharmacodynamics Laboratory Prof. Hammett					

Sophomore Year Schedule for Session 1915-16. Third Trimester, March 6 to May 27, 1916.

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
A. M. 8-9						Pathology Recitation Prof. Byrnes
9-10			Pathology Lecture and Laboratory Prof. Byrnes			
10-11		Histology Central Nervous System Prof. White		Histology Central Nervous System Prof. White		Materia Medica Lecture Dr. Nelson
11-12	Materia Medica Lecture Dr. Nelson		Histology Lecture Prof. White		Materia Medica Recitation Dr. Nelson	Hist. Cen. Ner. Sys. Lecture Prof. White
P. M. 1-2	Physiological Chemistry Lecture Prof. MacArthur					
2-4	Physiological Chemistry Laboratory Prof. MacArthur					
4-5	Normal Physical Diagnosis Demonstration Dr. Kane	Minor Surgery and Bandaging Dr. Avery	Normal Physical Diagnosis Demonstration Dr. Kane	Minor Surgery and Bandaging Dr. Avery	Normal Physical Diagnosis Demonstration Dr. Kane	

Junior Year Schedule for Session 1915-16. First Trimester, September 6 to December 4, 1915.

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	County Hospital 8 a. m. to 12 m.	College		County Hospital 8 a. m. to 12 m.		College
A. M. 8-9	Section A* Autopsies Dr. Maisch Section B Gynecology Associate Prof. Southworth Section C Orthopedics Asst. Prof. Pahl	Surgical Applied Anatomy Lecture and Recitation Assoc. Prof. Criley	Ophthalmology Lecture and Recitation Prof. McCoy	Section A* Autopsies Dr. Maisch Section B Surgery Dr. Shoemaker Section C Surgery Dr. Phillips	Surgery (Ward Conference Sections)* Sec. A, Dr. Huggins Sec. B, Dr. Criley Sec. C, Dr. Wilson	Gynecology Lecture and Recitation Assoc. Prof. Southworth
9-10		Obstetrics Lecture and Recitation Asst. Prof. McNiele	Physical Diagnosis Lecture and Recitation Assoc. Prof. Herbert			Obstetrics Lecture and Recitation Asst. Prof. McNiele
10-11	Medicine (Ward Conference Sections A, B, C) Asso. Prof. Herbert Drs. Leavitt, Carter, Shulman and Perkey	Medicine Lecture and Recitation Asst. Prof. Wessels	Medicine Lecture and Recitation Dr. Leavitt	Mental and Nervous Diseases Section A* Prof. Fisher Medicine Sections B and C (Ward Conference) B. Dr. Maisch C. Dr. Granger	Medicine* (Ward Conference Sections A, B, C) Prof. Wright Prof. Browning Dr. Cummings	Mental and Nervous Diseases Lecture and Recitation Prof. Fisher
11-12		Surgery Lecture and Recitation Dr. Phillips	Surgery Lecture and Recitation Asst. Prof. Huggins			Surgery Lecture and Recitation Dr. Shoemaker
P. M. 1-2:30	Clinics are held daily in all departments of Medicine and Surgery at the Homer Toberman Clinic, 2027 E. Seventh St., from 1 to 2:30 p. m., except Sundays and holidays. Junior students are required to attend these clinics.					
	College					
3-4	Clinical Microscopy Lecture Prof. Byrnes	Clinical Microscopy Laboratory Prof. Byrnes				
4-5	Pathology Lecture and Laboratory Prof. Byrnes					
5-6		Medicine Lecture and Recitation Dr. Shulman	Hygiene Lecture Prof. MacArthur	Obstetrics Lecture and Recitation Asst. Prof. McNiele	Pediatrics Lecture and Recitation Assoc. Prof. Dietrich	

* Sections A, B and C are rotated throughout the year.

Junior Year Schedule for Session 1915-16. Second Trimester, December 6, 1915, to March 4, 1916.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	County Hospital 8 a. m. to 12 m.	College		County Hospital 8 a. m. to 12 m.		College
A. M. 8-9	Section A* Gynecology Assoc. Prof. Southworth Section B Orthopedics Asst. Prof. Pahl Section C Autopsies Dr. Maisch	Surgical Applied Anatomy Lecture Assoc. Prof. Criley	Neuro-Pathology Lecture and Recitation Prof. Manger	Section A* Surgery Dr. Shoemaker Section B Surgery Dr. Phillips Section C Autopsies Dr. Maisch	Surgery Ward Conference* Sections A. Dr. Criley B. Dr. Wilson C. Dr. Huggins	Gynecology Lecture and Recitation Assoc. Prof. Southworth
9-10		Obstetrics Lecture and Recitation Asst. Prof. McNiele	Physical Diagnosis Lecture and Recitation Assoc. Prof. Herbert		Obstetrics Asst. Prof. McNiele	Pediatrics Recitation Dr. Dietrich
10-12	Medicine* (Ward Conference Sections A, B, C) Assoc. Prof. Herbert Drs. Leavitt, Carter, Shulman and Perkey	Medicine Lecture and Recitation Asst. Prof. Wessels	Medicine Lecture and Recitation Dr. Leavitt	Mental and Nervous Diseases Section B* Prof. Fisher, and Medicine Ward Conference Section A Dr. Granger Section C Dr. Maisch	Medicine Ward Conference Section A* Dr. Cummings Section B Prof. Wright Section C Prof. Browning	Mental and Nervous Diseases Lecture and Recitation Prof. Fisher
		Surgery Lecture and Recitation Dr. Phillips	Surgery Lecture and Recitation Asst. Prof. Huggins			Surgery Lecture and Recitation Dr. Shoemaker
P. M. 1-2:30	Clinics are held daily in all departments of Medicine and Surgery at the Homer Toberman Clinic, 2027 E. Seventh St., from 1 to 2:30 p. m., except Sundays and holidays. Junior students are required to attend these clinics.					
	College					
3-4	Pathology Lecture and Laboratory Prof. Byrnes	Medicine Lecture and Recitation Dr. Shulman	Therapeutics Lecture Dr. Brandel	Obstetrics Lecture and Recitation Asst. Prof. McNiele	Therapeutics Lecture and Recitation Dr. Brandel	
4-5		Life Ins. Exam. Lecture Dr. McDonald†	Fractures and Dislocations Lecture and Recitation Dr. Lettice		Ophthalmology Lecture and Recitation Prof. McCoy	
5-6	Medicine Lecture Prof. Wright	Orthopedic Surgery Lecture Dr. Pahl	Hygiene Lecture Prof. MacArthur		Pediatrics Lecture and Recitation Dr. Dietrich	

* Sections A, B and C are rotated throughout the year.
† During last six weeks History of Medicine by Dr. Remondino will be substituted.

Junior Year Schedule for Session 1915-16. Third Trimester March 6 to May 27, 1916.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
A. M.	County Hospital 8 a. m. to 12 m.	College		County Hospital 8 a. m. to 12 m.		College
8-9	Section A* Orthopedics Asst. Prof. Pahl Section B Autopsies Dr. Maisch Section C Gynecology Assoc. Prof. Southworth	Surgical Applied Anatomy Lecture Assoc. Prof. Criley	Proctology Lecture Dr. Kiger	Section A* Surgery Dr. Phillips Section B Autopsies Dr. Maisch Section C Surgery Dr. Shoemaker	Surgery* Ward Conference Section A Dr. Wilson Section B Dr. Huggins Section C Dr. Criley	Gynecology Lecture and Recitation Assoc. Prof. Southworth
9-10		Obstetrics Lecture Prof. Johnson	Physical Diagnosis Lecture and Recitation Assoc. Prof. Herbert		Obstetrics Assist. Prof. McNiele	Obstetrics Lecture and Recitation Asst. Prof. McNiele
10-12	Medicine* Ward Conference Sections A, B, C Assoc. Prof. Herbert Drs. Leavitt, Carter, Shulman and Perkey	Medicine Lecture and Recitation Asst. Prof. Wessels	Medicine Lecture and Recitation Dr. Leavitt	Mental and Nervous Diseases* Section C Prof. Fisher, and Medicine Section A Dr. Maisch Section B Dr. Granger Ward Conference	Medicine* (Ward Conference Sections A, B, C) Section A Prof. Browning Section B Dr. Cummings Section C Prof. Wright	Mental and Nervous Diseases Lecture and Recitation Prof. Fisher
		Surgery Lecture and Recitation Dr. Phillips	Surgery Lecture and Recitation Asst. Prof. Huggins			Surgery Lecture and Recitation Dr. Shoemaker
P. M. 1-2:30	Clinics are held daily in all departments of Medicine and Surgery at the Homer Toberman Clinic, 2027 E. Seventh St., from 1 to 2:30 p. m., except Sundays and holidays. Junior students are required to attend these clinics.					
	College					
3-4	Pathology Lecture and Laboratory Prof. Byrnes	Medicine Lecture and Recitation Dr. Shulman	Therapeutics Lecture Dr. Brandel	Obstetrics Lecture Asst. Prof. McNiele	Therapeutics Lecture and Recitation Dr. Brandel	
4-5		Neuro-pathology Lecture and Recitation Prof. Manger	Fractures and Dislocations Lecture Dr. Lettice	Medicine Lecture Dr. Carter	Ophthalmology Lecture and Recitation Prof. McCoy	
5-6	Medicine Lecture Prof. Wright	Orthopedic Surgery Lecture Dr. Pahl	Hygiene Lecture Prof. MacArthur	Pediatrics Recitation Dr. Dietrich	Pediatrics Lecture and Recitation Dr. Dietrich	

* Sections A, B and C are rotated throughout the year.

Senior Year Schedule for Session 1915-16. First Trimester, September 6 to December 4, 1915.

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
A. M.	Clinics Los Angeles County Hospital 8 a. m. to 12 m.					College
8-9	Gynecology and Abdominal Surgery Prof. Bryson	Section A* General Surgery Prof. Richardson Section B Contagious Diseases Dr. Scott Section C Genito-Urinary Diseases Dr. Peterson	Section A General Surgery Dr. Charlton Section B Eye Prof. McCoy Section C Ear, Nose, Throat Prof. Kyle	General Surgery Profs. Witherbee or Whitman or Dr. Phillips	General Surgery Prof. Seymour or Prof. Mattison	Gynecology and Abdominal Surgery Lecture and Recitation Prof. Bryson
9-10						
10-11	Medicine 10 B† Prof. Wright	Medicine 10 A† Prof. Speik	Medicine 10 C† Asst. Prof. Wessels	Pediatrics Prof. Yost and Dr. Dietrich	Section A* Dermatology As. Prof. Davidson Section B Proctology Dr. Kiger Section C Tuberculosis Prof. Browning	Surgery Prof. Seymour
11-12						
P. M. 1-3	Clinics are held daily in all departments of Medicine and Surgery at the Washington Street Clinic and Dispensary in the College Building, from 1 to 3 p. m., except Sundays and holidays. Senior students are required to attend these clinics.					
	College 3 to 6 p. m.					
3-4	Tropical Medicine Lecture and Recitation Dr. Hill	Neurology and Psychiatry Lecture and Recitation Prof. Manger	Therapeutics Lecture and Recitation Assoc. Prof. Jones	Genito-Urinary Diseases Lecture and Recitation Dr. Peterson	Neurology and Psychiatry Lecture and Recitation Prof. Manger	Hygiene Lecture and Laboratory Prof. MacArthur
4-5	Dermatology Lecture and Recitation Assoc. Prof. Davidson	Otology Laryngology and Rhinology Prof. Zuill	Pediatrics Lecture and Recitation Prof. Yost	Medicine Lecture and Recitation Asst. Prof. Wessels	Medicine Lecture and Recitation Asst. Prof. Speik	
5-6	Roentgenology and Electrotherapy Lecture Prof. Soiland	Obstetrics Lecture and Recitation Prof. Johnson	Lecture and Recitation Tuberculosis Prof. Pottenger	Medical Jurisprudence Lecture and Recitation Atty. Greer	Obstetrics Lecture and Recitation Prof. Johnson	

* Sections A, B and C are rotated throughout the year. † See Medical Syllabus, page 72.

Senior Year Schedule for Session 1915-16. Second Trimester, December 6, 1915, to March 4, 1916.

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
A. M.	Clinics Los Angeles County Hospital 8 a. m. to 12 m.					College
8-9	Gynecology and Abdominal Surgery Prof. Bryson	Section A* Contagious Diseases Dr. Scott Section B Genito-Urinary Diseases Dr. Peterson Section C General Surgery Prof. Richardson	Section A* Ear, Nose, Throat Profs. Zuill or Kyle Section B General Surgery Dr. Charlton Section C Eye Prof. McCoy	General Surgery (Operative Clinic) Profs. Witherbee or Whitman	General Surgery Profs. Seymour or Mattison	Gynecology and Abdominal Surgery Lecture and Recitation Prof. Bryson
9-10						
10-11	Medicine 10 D† Dr. Barrow	Medicine 10 B† Prof. Speik	Medicine 10 A† Asst. Prof. Wessels	Pediatrics Prof. Yost and Dr. Dietrich	Section A* Tuberculosis As. Prof. Browning Section B Dermatology As. Prof. Davidson Section C Proctology Dr. Kiger	Surgery Prof. Seymour
11-12						
P. M. 1-3	Clinics are held daily in all departments of Medicine and Surgery at the Washington Street Clinic and Dispensary in the College Building, from 1 to 3 p. m., except Sundays and holidays. Senior students are required to attend these clinics.					
	College 3 to 6 p. m.					
3-4	Tropical Medicine Lecture and Recitation Dr. Hill	Neurology and Psychiatry Lecture and Recitation Prof. Manger	Therapeutics Lecture and Recitation Assoc. Prof. Jones	Genito-Urinary Diseases Lecture and Recitation Dr. Peterson	Neurology and Psychiatry Lecture and Recitation Prof. Manger	Hygiene Lecture and Laboratory Prof. MacArthur
4-5	Dermatology Lecture and Recitation Assoc. Prof. Davidson	Otology Laryngology and Rhinology Prof. Kyle	Pediatrics Lecture and Recitation Prof. Yost	Medicine Lecture and Recitation Asst. Prof. Wessels	Medicine Lecture and Recitation Asst. Prof. Speik	
5-6	Roentgenology and Electrotherapy Lecture Prof. Soiland	Obstetrics Lecture and Recitation Prof. Johnson	Tuberculosis Lecture and Recitation Prof. Browning	Medical Jurisprudence Lecture and Recitation Atty. Greer	Obstetrics Lecture and Recitation Prof. Johnson	

* Sections A, B and C are rotated throughout the year. † See Medical Syllabus, page 72.

Senior Year Schedule for Session 1915-16. Third Trimester, March 6 to May 27, 1916.

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
A. M.	Clinics Los Angeles County Hospital 8 a. m. to 12 m.					College
8-9	Gynecology and Abdominal Surgery Prof. Bryson	Section A* Genito-Urinary Diseases Dr. Peterson Section B General Surgery Prof. Richardson Section C Contagious Diseases Dr. Scott	Section A* Eye Prof. McCoy Section B Ear, Nose, Throat Prof. Kyle Section C General Surgery Dr. Charlton	General Surgery Profs. Witherbee or Whitman	General Surgery Profs. Seymour or Mattison	Gynecology and Abdominal Surgery Lecture and Recitation Prof. Bryson
9-10						
10-11	Medicine 10 E† Dr. Barrow	Medicine 10 C† Prof. Speik	Medicine 10 D† Asst. Prof. Wessels	Mental and Nervous Diseases Prof. Manger and Assistants	Section A Proctology Dr. Kiger Section B Tuberculosis Prof. Browning Section C Dermatology As. Prof. Davidson	Surgery Prof. Seymour
11-12						
P. M. 1-3	Clinics are held daily in all departments of Medicine and Surgery at the Washington Street Clinic and Dispensary in the College Building, from 1 to 3 p. m., except Sundays and holidays. Senior students are required to attend these clinics.					
	College 3 to 6 p. m.					
3-4	Infectious Diseases Lecture and Recitation Dr. Hill	Neurology and Psychiatry Lecture and Recitation Prof. Manger	Pediatrics Recitation Prof. Yost	Medicine Lecture Prof. Speik	Neurology and Psychiatry Lecture and Recitation Prof. Manger	Hygiene Lecture and Laboratory Prof. MacArthur
4-5	Medicine Lecture Prof. Speik	Otology Larynogology and Rhinology Assoc. Prof. Lund	Pediatrics Lecture and Recitation Prof. Yost	Medical Ethics and Economics Profs. Bryson or Seymour	Medicine Lecture and Recitation Dr. Speik	
5-6	Roentgenology and Electrotherapy Lecture Prof. Soiland	Obstetrics Lecture and Recitation Prof. Johnson	Tuberculosis Lecture and Recitation Prof. Browning	Medical Jurisprudence Lecture and Recitation Atty. Greer	Obstetrics Lecture and Recitation Prof. Johnson	

* Sections A, B and C are rotated throughout the year. † See Medical Syllabus, page 72.

PART VI.

DEPARTMENTS OF INSTRUCTION

The concentration plan of instruction, which has been adopted in many of the leading schools throughout the country and which has been so much lauded by many institutions that have adopted it, for its flexibility, solidarity and its enabling powers to concentrate the student's mind for lengths of periods at stated intervals throughout the course, has been adopted by this school. The plan is to take the student along in a limited number of subjects at a time, for a trimester, then ease up a trifle on the branches concentrated upon and crowd the work in other subjects for a trimester, repeating this plan as necessary. This method of teaching is in force in this school and by referring to the schedules of study, it will be noted how excellently this plan is working out. Since the adoption of the concentration plan we find it superior to the old method of teaching.

A General Outline of Reclassification of Instruction

It was thought best to rearrange and reclassify the departments in this school, thus necessitating a material change in the curriculum. In this readjustment we were actuated and guided by the seeming necessity of grouping together the departments that have particular bearing, primarily at least, one upon the other. It was thought that this organization of departments would effect a closer correlation of instruction in related subjects, thus securing more solidarity in instruction and concentration of purpose, than could be had with the prevailing methods of allowing so much individuality in subdivision of major subjects into separate or independent departments. Medicine is a practical science and in building the foundation upon which the superstructure of advanced medical knowledge must rest, there must be a blending into groups of the departments that are in harmony at each period in the building, thus forming the whole, in time, into as nearly a concrete and finished product as possible; and therefore, Anatomy, Histology and Embryology are placed under one control, or in one department, as each deals with normal anatomical structures, Physiology, Phamacodynamics and Dietetics in one department, and Chemistry, Toxicology and Hygiene have been placed in another, as we prefer that our students be shown upon animals and otherwise, by means of the latest and best apparatus, the action in different stages of administration, of drugs upon the various animal organisms. Pathology, Bacteriology and Clinical Microscopy are grouped together for reasons quite apparent. Materia

Medica and Therapeutics, including Pharmacognosy, form Department V. Applied Therapeutics, however, is taught throughout in the Department of Medicine, where it rightfully belongs. The Department of Medicine includes the allied departments of General Medicine, including Clinical Medicine, Physical Diagnosis, Neurology, Psychiatry, Pediatrics, Jurisprudence, ethics and economics. Dermatology and Syphilography, as these various subjects are essentially medical, should be and are under the control of the Medical Department. Surgery embraces those departments essentially or largely so at least, that are surgical, probably at one stage or another, as General Surgery, including Orthopedic Surgery, Fractures, Dislocations, Genito-Urinary Diseases, Ophthalmology, Otology, Larynology, Rhinology, which form Department VII. Division VIII embraces Obstetrics, Gynecology and Abdominal Surgery.

The student body is divided into several groups in all departments, thus bringing each individual member of the class in close personal touch not alone with the subject under consideration, but in close personal contact with his instructor. There must be a systematic amount of didactic instruction in all departments, and this is interwoven with laboratory, clinical and recitative periods, as may be necessary to give the student a broad and comprehensive view of each subject.

Below will be found tabulated the grouping of subjects as embraced in our curriculum:

Division I. Anatomy, Histology and Embryology.

Division II. Physiology, Pharmacodynamics and Dietetics.

Division III. Chemistry, Toxicology and Hygiene.

Division IV. Pathology, Bacteriology and Hygiene.

Division V. Materia Medica, Pharmacognosy and Therapeutics.

Division VI. Medicine and Medical Specialties.

Division VII. Surgery and Surgical Specialties.

Division VIII. Obstetrics, Gynecology and Abdominal Surgery.

SUMMARY OF CURRICULUM

College of Physicians and Surgeons, Medical Department, University of Southern California, Los Angeles, California, Sessions 1915-1916

Thirty-six Teaching Weeks	First Year		Second Year		Third Year			Fourth Year			Entire Course			Total Each Branch	Total Each Divisi'n
	Lectures and Recitations	Laboratory	Lectures and Recitations	Laboratory	Lectures and Recitations	Laboratory	Clinic	Lectures and Recitations	Laboratory	Clinic	Lectures and Recitations	Laboratory	Clinic		
DIVISION I															
Anatomy	144	360	84	144	....	....	....	....	....	....	264	504	....	768	....
Surgical Applied Anatomy	....	....	....	....	36	....	....	....	....	....					
Histology	84	60	24	48	....	....	....	....	....	....	108	108	....	216	....
Embryology	36	48	....	....	....	....	....	....	....	....	36	48	....	84	....
Total Division I	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1068
DIVISION II															
Physiology	132	216	36	120	....	....	....	....	....	....	168	336	....	504	....
Pharmacodynamics	....	....	60	120	....	....	....	....	....	....	60	120	....	180	....
Dietetics	....	....	24	....	....	....	....	....	....	....	24	....	....	24	....
Total Division II	....	....	....	....	....	....	....	....	....	....	....	....	....	....	708
DIVISION III															
Chemistry and Toxicology	72	144	....	....	....	....	....	....	....	....	72	144	....	216	....
Physiological Chemistry	....	....	60	120	....	....	....	....	....	....	60	120	....	180	....
Hygiene	....	....	....	....	36	....	....	36	36	....	72	36	....	108	....
Total Division III	....	....	....	....	....	....	....	....	....	....	....	....	....	....	504
DIVISION IV															
Pathology	....	....	120	276	36	36	....	....	....	....	156	312	....	468	....
Bacteriology	....	....	60	120	....	....	....	....	....	....	60	120	....	180	....
Autopsies	....	....	....	....	....	....	48	....	....	....	....	....	48	48	....
Clinical Microscopy	....	....	....	....	12	96	....	....	....	....	12	96	....	108	....
Total Division IV	....	....	....	....	....	....	....	....	....	....	....	....	....	....	804
DIVISION V															
Materia Medica& Pharmacog.	24	....	36	....	....	....	....	....	....	....	60	....	....	60	....
Therapeutics	....	....	....	....	48	....	....	24	....	....	72	....	....	72	....
Total Division V	....	....	....	....	....	....	....	....	....	....	....	....	....	....	132
DIVISION VI															
Medicine	....	....	....	....	144	....	120	84	....	216					
Physical Diagnosis	....	....	36	....	36	....	72	....	....	....					
Tropical Medicine	....	....	....	....	....	....	....	24	....	....	372	....	456	828	....
Infectious Diseases	....	....	....	....	....	....	....	12	....	....					
Contagious Diseases	....	....	....	....	....	....	....	....	....	24					
Tuberculosis	....	....	....	....	....	....	....	36	....	24					
Pediatrics	....	....	....	....	60	....	....	48	....	48	108	....	48	156	....
Neurology and Psychiatry	....	....	....	....	60	....	24	72	....	24	132	....	48	180	....
Dermatology	....	....	....	....	....	....	....	24	....	24	24	....	24	48	....
Roentgenology&Electrotherapy	....	....	....	....	....	....	....	36	....	....	36	....	....	36	....
Medical Jurisprudence	....	....	....	....	....	....	....	36	....	....	36	....	....	36	....
Hist.of Med.& Life Ins.Exam.	....	....	....	....	12	....	....	....	....	....	12	....	....	12	....
Medical Ethics and Economics	....	....	....	....	....	....	....	12	....	....	12	....	....	12	....
Total Division VI	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1308
DIVISION VII															
Surgery	....	....	....	....	108	....	96	72	....	192					
Minor Surgery and Bandaging	....	....	24	....	....	....	....	....	....	....	276	....	312	588	....
Fractures and Dislocations	....	....	....	....	48	....	....	....	....	....					
Orthopedic Surgery	....	....	....	....	24	....	24	....	....	....					
Genito-Urinary Diseases	....	....	....	....	....	....	....	24	....	24	24	....	24	48	....
Proctology	....	....	....	....	12	....	....	....	....	24	12	....	24	36	....
Otology, Laryng. & Rhinology	....	....	....	....	....	....	....	36	....	24	36	....	24	60	....
Ophthalmology	....	....	....	....	36	....	....	....	....	24	36	....	24	60	....
Total Division VII	....	....	....	....	....	....	....	....	....	....	....	....	....	....	792
DIVISION VIII															
Obstetrics	....	....	....	....	96	....	24	72	....	....	168	....	24	192	....
Gynecology	....	....	....	....	36	....	24	....	....	....					
Gynecology & Abd. Surgery	....	....	....	....	....	....	....	72	....	72	108	....	96	204	....
Total Division VIII	....	....	....	....	....	....	....	....	....	....	....	....	....	....	396
Total	492	828	564	948	840	132	432	720	36	720	2616	1944	1152	5712	5712
Total by Years	1320		1512		1404			1476			5712				

In estimating the hours devoted to actual work in this college, please note that the Seventh Street Clinic and College Dispensary are open from 1 to 3 p.m. each day, in all departments, and while it is impossible for a student to attend all clinics at the same time, he may take advantage of the numerous cases presented and thus follow up each line of work.

The above table does not include time spent in the above named clinics.

DIVISION I. ANATOMY, HISTOLOGY AND EMBRYOLOGY

HARRY OSCAR WHITE, M.D., *Professor of Anatomy, Histology and Embryology.*

CLARENCE HOLMES CRILEY, PH.B., M.D., *Associate Professor of Anatomy.*

MILES GUTHRIE VARIAN, M.D., *Instructor in and Demonstrator of Anatomy.*

.....*Assistant in Anatomy*

DESCRIPTION OF COURSE AND METHOD OF INSTRUCTION IN HUMAN ANATOMY

This department aims to present the subject of Human Anatomy in a thoroughly scientific and practical manner. The laboratory work is done under constant surveillance. The student is required to take frequent individual quizzes upon the cadaver; to demonstrate all parts dissected to a competent demonstrator; and to attend class quizzes and an individual oral and written final examination. The lectures supplement the laboratory work dealing with such facts from embryology and comparative vertebrate anatomy as will give breadth to the student's view of the field. In connection with the laboratory work, lectures are delivered, reviewing the work that has been completed. The object of this is to call attention to the relations and significance of the parts that have been studied and to elucidate, with the aid of specially prepared anatomatical charts, diagrams, and imported models, the anatomy of difficult and important structures. Especial pains are taken to emphasize the broader morphological significance of the details of Human Anatomy. With a view to introducing students properly to the study of Practical Anatomy, they are taught by section demonstrations how to dissect and what to seek for in the part to be dissected. Besides the demonstrators who are detailed to guide the student through the various steps of dissection, a specially prepared anatomical outline on every region of the human body is furnished to the student for his guidance. The aim is to stimulate accurate and careful technique in the art of dissection, exactness of observation, and independence of judgment on the part of the student. The descriptive course in Anatomy is conducted by means of lectures, recitations, demonstrations on the cadaver, dry and wet anatomical preparations, and charts and models, of which latter liberal use is made in order to illustrate the lectures and demonstrations. In the course of Neurology the student dissects a sheep brain in order to gain some knowledge of the morphological relations of the general divisions of the brain, and then makes a careful study of the human brain and spinal cord by means of horizontal, coronal and sagittal sections, which is further followed by a microscopic study of the central nervous system and the organs of the special senses.

The dissecting material is abundant, thoroughly preserved by the latest scientific processes of embalming, scrupulously clean, and absolutely free from offensive odors or infective qualities.

Students who are suitably qualified and physicians who desire to do advanced work in Anatomy will receive every encouragement which the department is able to offer.

From among those students who show the greatest proficiency, prosectors are appointed who do special dissection work and quizzing under the direction of the Professor and assistants.

(a) GROSS ANATOMY.

Course 1. *Freshman Anatomy.* The course in Freshman Anatomy includes the study of Osteology, Arthrology, Myology, Angiology (including the heart), Respiratory and Digestive Systems, Neurology of the extremities, and dissection of the upper and lower extremities.

Lectures and Recitations	144 hours
Laboratory Exercises	360 hours
Professor White and Assistants	504 hours

Course 2. *Sophomore Anatomy.* The course in Sophomore Anatomy includes the study and dissection of the Head, Neck, Thoracic and Abdominal organs, the Perineum, Ductless Glands, Genito-urinary Organs, Respiratory, Circulatory, and Digestive Systems, organs of the Special Senses, Human Brain, Spinal Cord, and Sympathetic Nervous System.

This course is a continuation of the first year, but from the standpoint of the application, and not as an abstract science. It embraces the outlines, positions, and relations of the various organs and the means of recognizing them, thus giving a knowledge necessary for diagnostic and operative purposes.

The bones are studied individually and collectively, the student pointing out and describing the different parts from actual specimens. Bones are loaned to the students for private study.

Lectures, Demonstrations and Recitations	84 hours
Laboratory Exercises	144 hours
Prof. White and Assistants	228 hours

Course 3. *Surgical Applied Anatomy and Operative Surgery* on the cadaver is taught in the third year.

Associate Professor Criley	36 hours

(b) HISTOLOGY

Course 1. Elementary Histology is given eight hours a week during the first trimester and two hours during the second and third trimesters, of the Freshman year. The study of fresh tissue, disassociation methods, and the technique in the preparation of fixed and hardened tissues is given the

student. All the elementary tissue of the body, including normal blood, etc., are studied.

Prof. White and Assistants.....144 hours

COURSE 2. Four hours per week are devoted to Histology of the Central Nervous System during the last trimester of the Sophomore year.

Prof. White and Assistants..... 72 hours

(c) EMBRYOLOGY

Three hours each week Didactic instruction and four hours a week Laboratory work are devoted to the subject of Embryology the last trimester of the Freshman year. Lectures and quizzes on the structure of germ cells, the decidua, and the placenta are given at the beginning of the course. Following this, the student is required to prepare and mount embryo chicks, illustrating development up to and including the differentiation of the somites.

Lectures and recitations in human embryology are a part of this course. The students are required to make drawings and diagrams of the folding in of the layers of the embryo, including the histology of the foetal membranes. The complete histogenesis of the principal organs of the body is studied. The students are required to prepare their own sections, from which demonstrations and drawings are made.

The equipment in this department is complete and consists of incubators, charts, models, and all the usual necessary histological and embryological material.

Prof. White and Assistants.....84 hours

TEXT BOOKS:

Anatomy

Cunningham, Cunningham's "Manual of Dissection," Piersol, Morris, Gray.

Atlases and Collateral Reading: Quain's "Anatomy"; Holden; McClellan's "Regional Anatomy"; Deaver's "Surgical Anatomy"; Edinger's "Anatomy of the Nervous System"; Huntington's "Anatomy of the Peritoneum and Abdominal Cavity"; Sobotta and McMurrich's "Atlas of Human Anatomy"; Toldt's "Atlas of Human Anatomy"; Spalteholz's "Atlas of Anatomy."

Histology

Bailey; Bohm; Davidoff; Huber; Piersol; Schaeffer.

Embryology

Bailey; "Human Embryology" by Kieble and Mall; McMurrich; Heissler; Prentiss.

DIVISION II. PHYSIOLOGY, PHARMACODYNAMICS AND DIETETICS

Frederick S. Hammett, A.B., M.S., A.M., Ph.D., *Professor of Physiology, Pharmacodynamics and Dietetics.*

Lyman Bbumbaugh Stookey, A.M., Ph.D., *Professor of Experimental Physiology.*

John A. Larson, A.B., A.M., *Instructor in Physiology.*

(a) PHYSIOLOGY

Instruction in this department is given by lectures, laboratory exercises, demonstrations, and recitations. The laboratory exercises enable the student to acquire a direct acquaintance with experimental methods. The chief ends sought in the laboratory exercises are precision in conducting experiments, accuracy in observation, and logic in deduction.

Formal written examinations in each course of this department are held at intervals.

The assistantships in this department are honor positions and are awarded according to scholarship and fitness.

Course 1. *Physiology of the Cell.* (First year students.) Three hours lectures, four hours laboratory, and two hours recitations, during the second trimester.

The cell is studied as an elementary organism, emphasis being laid on it as the seat of vital processes. Special attention is given to the structure and chemistry of protoplasm, chemical reactions in the cell, irritability, contractibility, tropisms, and the development of multicellular from unicellular organisms.

Course 2. *Physiology of Music and Nerve.* (First year students.) Three hours lectures, four hours laboratory, and two hours recitations, during the second trimester.

Kymographical records are made by each student. The laboratory exercises include a study of the following: Mechanical, thermal, chemical and electrical stimulation of muscle and nerve, indirect stimulation of muscle, changes in intensity of stimulus, minimal and maximal stimuli, influence of duration of stimulus, laws of contraction, natural tetanus, artificial tetanus, elasticity and extensibility of muscle, influence of temperature and load on muscular contraction, contraction of human muscle, ergograph, electratonus, fatigue of muscle, fatigue of nerve, muscle currents, velocity of nerve impulse, and the conditions affecting excitability of nerve.

Course 3. *Physiology of Circulation, Blood, and Lymph.* (First year students.) Three hours lectures, four hours laboratory, and two hours recitations, during the third trimester.

Graphical records are kept by each student. Most of the experiments are carried out on the frogs' heart. Among the topics studied in the laboratory are: Staircase character of heart-beats, cardio-inhibitory center, latent period of cardiac muscle, effect of vagus on heart, action of atropin, muscarin, pilocarpin and nicotin on heart, constant current of heart, perfusion of fluids through the heart, endocardiac pressure, action of the heart valves, reflex inhibition of the heart, sphygmograph, blood pressure in different parts of the vascular system, red cell count, white cell count, differential count, colorimetric estimation of haemoglobin, spectroscopical examination of haemoglobin and its derivatives, haemorrhage and regeneration coagulation.

COURSE 4. *Physiology of Respiration, Reproduction, Animal Heat.* (First year students.) Three hours lectures, four hours laboratory, and two hours recitations, during third trimester.

The laboratory exercises embrace a study of the following: Movements of the chest wall, vital capacity, respiratory waves of blood pressure, variations of intrathoracic pressure, gases of the blood, reflex stimulation of the respiratory center, relation of afferent fibres of vagi to the respiratory center, the respiratory quotient and its variations, modified respiratory movements, calorimetry, etc.

COURSE 5. *Physiology of Digestion, Absorption, Secretion, Excretion, and Metabolism.* (Second year students.) Two hours lectures, six hours laboratory, and one hour recitations, during the first trimester.

COURSE 6. *Physiology of the Central Nervous System and the Sense Organs.* (Second year students.) One hour lecture and one hour laboratory or recitation during the first trimester.

The physiology of the central nervous system is studied. Emphasis is laid upon reflex action, reaction time, localization of functions in cerebrum, the motor and sensory tracts in central nervous system, and physiological optics.

COURSE 7. *Advanced Physiology.* (Elective.) Alternate years.

This course consists of a detailed study of special subjects in Physiology, and includes the reading of original investigations along lines to be assigned, and the performance of laboratory experiments. Each student electing this course is required to carry out a complete metabolism experiment.

COURSE 8. *Operative Physiology.* (Elective.) Alternate years.

This course consists of a detailed study of special subjects in Physiology, and includes the reading of original investigations along lines to be assigned, and the performance of laboratory experiments. Each student electing this course is required to carry out a complete metabolism experiment.

The object of this course is to acquaint the student with the more

common operative procedure in physiological investigation. The following operations are performed on the dog: Gastric, biliary, and pancreatic fistulae; Eck's operation, splenectomy, thyroidectomy, nephrectomy, pancreatectomy, gastroenterostomy, colectomy.

Course 9. *Pathological Physiology.* (Second year students.) One hour lecture and one hour recitation during part of the first trimester.

Among the subjects discussed are: Disturbances in the digestice secretions, starvation, overeating, obesity, disturbances in the metabolism of carbohydrates, fats, and proteins, qualitative changes in metabolism, production of organic acids, disturbances in the secretion of bile, alkaptonuria, cystinuria, pathological alterations in blood pressure, exudates, metabolism in fever anaemia, and other pathological conditions.

Course 10. *Physiological Conference.* (Elective.)

Those who are interested are invited to meet at times to be announced to discuss informally selected problems in Physiology, usually such as supplement instruction given in other ways. Problems under investigation in the laboratory are introduced for discussion.

Course 11. *Original Investigation.* (Elective.)

Those who are qualified are encouraged to undertake research work. A reading knowledge of French and German is desirable.

Total Number of Hours in Entire Course

Freshman Physiology—132 hours didactic, 216 hours laboratory.
Sophomore Physiology—36 hours didactic, 120 hours laboratory.
Prof. Hammett and Mr. Larson (168 hours didactic, 336 hours laboratory).
Total ..... 504 hours

(b) PHARMACODYNAMICS

Course 1. *Physiological Action of Drugs* (Second year students.) One hour lecture, one hour demonstration or recitation and six hours laboratory, second trimester.

This course consists of a study of the changes induced in the living organism by the administration of the more common and important drugs. Laboratory demonstrations supplement the lectures.

Prof. Hammett and Mr. Larson (60 hours didactic, 120 hours laboratory.)
Total ..... 180 hours

COURSE 2. *Advanced Pharmacodynamics.* (Elective.) Alternate years. One hour lecture and two hours laboratory weekly during the first trimester.

In this course a study is made of the physiological changes induced in the body by the less frequently used drugs. The relation between chemical constitution and pharmacological action is considered in studying some of the newer synthetical drugs.

(c) DIETETICS AND NUTRITION. (Second year students.)

Two hours lecture and recitation during first trimester.

The lectures treat the following subjects: Specific dynamic action of the different foods, calorific requirements, construction of a diet from the different articles of food, nitrogenous equilibrium, nutrition during the period of growth, inorganic foods, some mineral waters, accessories to food, influence of mechanical work upon metabolism, diets in some pathological conditions.

Prof. Hammett.....24 didactic hours

REFERENCE BOOKS:

Physiology—Freshmen: Stewart.
Sophomores: Starling.
Pharmacodynamics—Greene, Pembrey and Phillips.
Dietetics—Bryce, Modern Theories of Diet.

DIVISION III. CHEMISTRY, TOXICOLOGY AND HYGIENE

CHARLES GEORGE MACARTHUR, A.M., *Professor of Chemistry, Toxicology and Hygiene.*

CLARENCE BARBRE, A.B., B.S., M.S., *Instructor in Physiological Chemistry.*

(a) CHEMISTRY

The following courses, included under the general subject of Chemistry, will be given in the Freshman and Sophomore years: General Organic Chemistry, Toxicology, and Physiological Chemistry. The needs of the medical student will ..be.. especially.. considered.. in.. these courses, and the instructions and laboratory work made as practical as possible as viewed from the physician's standpoint, rather than from that of the chemist. The subject-matter will be presented by conferences, discussions and reports. A large number of hours will be devoted by the individual student in the laboratories to practical work under the supervision of the head of the department and under the guidance of competent assistants.

Course 1. *General Organic Chemistry.* (First year students.) This course is given during the first and second trimester.

After a brief survey of Inorganic Chemistry there will be a consideration of the more important of the Carbon Compounds, such as hydrocarbons, alcohols, aldehydes, ketones, acids, ethers, esters, the benzene series, derivatives, etc., including their occurrence in nature, their close relations to one another, the structure of their molecules and determination of formulae, analysis of organic compounds, and the synthesis of the more important organic substances. This course also deals with the chemistry of the common carbohydrates, fats and proteins, including the more common protein cleavage products.

Course 2. *Toxicology.* This course is given in conjunction with the course in general organic chemistry, and consists of a study of the action of the various poisons, both inorganic and organic, upon living tissues, the symptoms produced, the preparation and administration of chemical antidotes and other means of treatment, together with approved methods for the detection of poisons in the stomach or in the tissues.

Professor MacArthur (Freshman year, conferences and discussions, 72 hours; laboratory work, 144 hours).
Total hours in Courses 1 and 2.....216 hours

Course 3. *Physiological Chemistry.* Instruction in Physiological Chemistry is given during the third trimester of the second year. The course will consist of conferences, discussions, reports, and considerable laboratory work. A systematic survey of the whole field of physiological chemistry will be taken, beginning with the chemistry of the foodstuffs, the chemistry of the secretions, the blood, and the various tissues, particular attention being given to approved methods of analysis of the gastric contents, urine and feces.

Prof. MacArthur (60 hours class room work and 120 hours laboratory).
Total .....180 hours

Course 4. *Analysis of Foods.* (Elective.)

Three hours weekly second trimester of Freshman year.

The more common methods employed in the analysis of foods are taught, emphasis being laid on the more frequently used adulterants and preservatives and their detection.

Course 5. *Water Analysis.* (Elective.)

Three hours weekly during the third trimester of Freshman year.

The student choosing this course is given an opportunity to familiarize himself with the methods used in the chemical analysis of water.

COURSE 6. *Chemical Conference.* (Elective.)

Those who are interested are invited at times to be announced to discuss informally selected problems in medical chemistry, usually such as supplement instructions given in other ways. Problems under investigation in the laboratory may be introduced for discussion.

COURSE 7. *Biochemistry of Nerve Tissue.* (Elective.)

Conferences for two periods a week during the first trimester.

A careful study of the chemical constituents and chemical processes of the various parts of the nervous system will be made.

Open to those only who have had Course 3.

COURSE 8. *Research.* (Elective.)

Those interested in Biochemistry may develop an original piece of work. Any number of hours desired may be devoted to the investigation.

(b) HYGIENE

Owing to the rapid advances which have been made in the science of medicine in the last few years, State Medicine and Hygiene has become a very important branch of this science. The subject is taught by reports and laboratory work for 36 hours in the Junior year and 72 hours' class room work throughout the Senior year.

Hygiene as applied to preservation of health and prevention of disease will be studied, especial attention being given to the pure food law, adulterations, dilutions and labeling, etc. School room and sick room hygiene will be covered. Especial consideration is given the subject of Eugenics and the effect of hereditary influences on health. Hygiene of air, soil, water, climate, food and diet; food supply, food diseases and adulterations; heating, lighting and ventilating of dwellings; municipal sanitation and water supply, sewage and drainage, disposal of refuse; the prevention of contagious diseases, including tropical diseases; the laws regulating quarantine, etc.; in fact, all branches of Preventive Medicine, Hygiene and Sanitation will be thoroughly given. In order that the importance of this branch may be more fully impressed on the student, eighteen hours during the year will be devoted to work in the laboratory. At this time the student will be required to make chemical and bacteriological analyses of water, milk and butter, together with tests for preservatives in canned meats, fruits and vegetables.

Prof. MacArthur (Junior year, 36 hours; Senior year, 72 hours).

Total ..... 108 hours.

DIVISION IV. PATHOLOGY, BACTERIOLOGY AND CLINICAL MICROSCOPY

Ralph L. Byrnes, B.S., M.S., M.D., *Professor of Pathology, Bacteriology and Clinical Microscopy.*

T. W. Kemmerer, B.S., M.S., M.D., *Assistant Professor of Pathology and Bacteriology.*

Louis E. Viko, *Assistant in Pathology, Bacteriology and Clinical Microscopy.*

(a) PATHOLOGY

The subject-matter in this department is taught by lectures, recitations, demonstrations with projectoscope and charts, gross and microscopical specimens, laboratory work, and autopsies.

The general subject of Pathology will be given in the following courses:

Course 1. *General Pathology.* This course is given to the Sophomore class throughout the year.

The general principles underlying pathological changes are thoroughly inculcated, and the fundamental morbid processes taken up in the following order, viz.: Extrinsic and Intrinsic Causes of Disease, Autointoxications and Secondary Diseases, the Protective and Healing Forces of the Human Organism, the Acquiring of Immunity, Disturbances of Circulation of the Blood and of the Lymph, Retrograde Disturbances and Infiltrations, Hypertrophy and Regeneration, Inflammation, Diseases Produced by Bacteria, Protozoa, Yeasts and Moulds, Neoplasms, Malformations.

Technique of preparing specimens. This course is given to the Sophomore class and consists of practical instruction in preserving, fixing, embedding, cutting, mounting and staining of sections.

There is a full equipment of embedding ovens, microtomes, microscopes and other accessories for thorough instruction.

Considerable attention is given to this work, for proper technique is fully as requisite as ability to recognize what the microscope reveals, since correct diagnosis in many cases depends upon the skill with which a specimen has been prepared.

The material for this course is obtained from the department's stock, which is being continuously accumulated from autopsies, operations in the hospital and surgical clinics, and contributions of surgeons from this and other cities.

Lectures and recitations, 120 hours; laboratory work, 276 hours.
Total ..... 396 hours

COURSE 2. *Special Pathology.* This is taught in the Junior year, and includes the study of the fundamental and general pathological processes when occurring in special organs or system, and will be taken up in the following order, viz.: Circulatory System, Respiratory System, Digestive Tract, Liver, Spleen, Pancreas, Urinary System, Male Organs of Reproduction, Female Organs of Reproduction, Muscles, Bones, and Central Nervous System.

This course is given by lectures and recitations in connection with demonstrations with charts, projectoscope, and specimens.

Microscopical specimens representing nearly all the known lesions of pathology will be furnished the student by the department. Each student is required to make drawings of the lesions represented, and whether such student have artistic ability or not, this work compels his attention to dwell upon the essential features of pathological histology, and aids him to acquire a more thorough knowledge of the minute structural changes of pathology than any other method of instruction.

Lectures, recitations, and laboratory, total.....72 hours

COURSE 3. *Gross Pathology and Autopsies.* The gross appearance and naked eye tests, such as the iodin test for amyloid material, are taught in this course. The material for this course is obtained from operations and autopsies and from the museum belonging to this department.

Approved methods of making autopsies are demonstrated to the students in sections, at the County Hospital, but they will also be required individually to take turns in assisting the demonstrator, and in writing up the autopsy, with macroscopic and microscopic findings.

48 clinical hours each section.

COURSE 4. *Post-Graduate Course.* This will be given to physicians and others desiring to take up work along special lines in pathology. The number of hours that shall be given to this course will depend upon the desire of the applicants, and the course will be given only in case there is a sufficient number of applicants to justify the expenditure of time that must be given to make it a profitable course.

(b) BACTERIOLOGY

The subject of Bacteriology is taught by lectures, recitations, and laboratory instruction throughout the first trimester of the Sophomore year.

COURSE 1. The didactic work is thorough and complete, the first half of the course including the classification, physical and chemical structure of the bacteria in general, as well as the products of their biological activities, and particularly the antibodies, the opsonic substances, and the theories of infection and immunity relating to the various pathogenic micro-organ-

isms, while the second half of the course covers the identification, the staining, cultural and other biological characteristics of the various species of pathogenic bacteria, as well as the pathogenic protozoa, yeasts and moulds. During the second half of the trimester a course of lectures is given on the more important parasites, including the Protozoa, the Helminthes, and the Arthropoda, with the demonstration of such speciments as the museum may contain at the time during which these lectures are given.

Course 2. The laboratory work is comprehensive, and aims to be as practical as possible. The student is made familiar with approved methods of technique by requiring him to actually perform the work done in bacteriological laboratories, from the preparation of staining fluids and of culture media to the cultivation and inoculation of the different organisms.

The laboratory in which the students are required to make their culture media is equipped with autoclave, steam sterilizers, hot air ovens, scales, etc., for each group of five students, while individually each is supplied with stew pan, gelatin, agar, peptone, culture tubes and every accessory for making all the commonly used media. The student makes and sterilizes his own media, which are kept for him in the ice chests belonging to this department.

The laboratory for the inoculation and cultivation is furnished with lockers, incubator, etc., while each student is furnished with a complete staining outfit and microscope with oil immersion lens.

(60 hours lectures and 120 hours laboratory.)
Total ..... 180 hours

(c) CLINICAL MICROSCOPY

This course is given every day during the first trimester of the Junior year. Practical laboratory work will constitute the chief part of this course, with a sufficient number of lectures to cover the subject-matter in a systematic and thorough manner. The blood, urine, sputum, gastric contents, feces, exudates, etc., will be studied in regular order, together with the principles and technique of such subjects as the agglutinative tests, the opsonins, precipitins, hemolysins, preparation of bacterins, complement fixation tests as applied by Wasserman and Noguchi, etc. Material for class and individual work will be obtained from the daily clinics in charge of the school and from the Los Angeles County Hospital. The subjects are considered and its clinical material studied with particular reference to their bearing upon the diagnosis of disease and all the approved methods, microscopical, bacteriological, and chemical, are taught and demonstrated.

Lectures, 12 hours; Laboratory, 96 hours.
Total ..... 108 hours

DIVISION V. MATERIA MEDICA, PHARMACOGNOSY AND THERAPEUTICS

EDWARD DOUGLASS JONES, M.D., *Associate Professor of Therapeutics.*
HARRY M. BRANDEL, M.D., *Instructor in Therapeutics.*
CHARLES F. NELSON, S.B., M.D.
OTTO BAMES, M.D. } *Instructors in Materia Medica.*

COURSE 1. First year students are given two hours each week throughout the second trimester in the study of drugs. First each drug will be considered in its crude and primary state, the botany of the various plant and vegetable elements entering into the basic principles of our materia medica, together with the different and individual alkaloids of each, as well as the mineral elements, basic as well as analytic, from the viewpoint of materia medica.

This department is supplied with crude drugs and standard preparations for direct demonstration which enable each student to familiarize himself with not only the appearance, but the odor, the taste and general characteristics of each. Laboratory facilities are at hand for demonstrating the pharmacognosy, and the pharmacology of each drug and compound, while the student is referred to the Department of Physiology for the pharmacodynamics of drug therapy, elementary.

Dr. Bames.....24 hours

COURSE 2. The Sophomore of second year students receive three hours per week during the last trimester in advanced materia medica, including prescription writing, dosage, etc., in all of its complications, with an outline of elementary therapeutics and toxicology, with the view of preparing the student for applied therapeutics, as taught in the Department of Therapeutics and General Medicine. The student must know the Materia Medica as well as the Pharmacognosy, Pharmacology and Pharmacodynamics of drugs before he can know drug therapy.

Dr. Nelson.....36 hours

COURSE 3. *Therapeutics.* Junior students devote three hours each week, throughout the second and third trimesters, to this branch of the work. The method employed in teaching this department is didactic and clinical with recitative review of the most important subjects, from time to time, supplemented by clinical instruction at regular periods throughout the year.

An outline of classification of therapeutic remedies, based upon their physiological action and clinical application, is supplied at the beginning of the term. Under each division and subdivision of this outline, the most important drugs of each class, together with their preparations, derivatives, and compounds, are briefly noted and reviewed physiologically, and then

successively studied therapeutically in detail. Throughout the entire work the most important feature to be impressed upon the student is the application of certain remedies and measures to the cure or alleviation of certain pathological conditions as found at the bedside, in accordance with the previously fixed physiological action of the remedies or class of remedies under discussion. Special effort is made to induce each student to select his remedies in strict accordance with their action upon the physiological perversions present in the disease under consideration, and to avoid pernicious practices such as treating disease by its name and by routine.

Dr. Brandel.....72 hours

Course 4. *Therapeutics.* The Senior students devote one hour each week throughout the entire college year to this branch of the work. It is intended to divide the class into sections of some four to ten members in each section and assign to each section from time to time certain patients afflicted with the disorder desired to be studied and they are required to write a complete history of the cases presented, outline a method of management according to their own previous knowledge, and then during a class conference they are corrected, criticised, quizzed and instructed in the various recognized methods of treatment and management of the diseases under consideration, supplemented from time to time with didactic teaching upon such subjects as may be deemed advisable to present in this manner or in illustration of which it is inconvenient or impracticable to obtain suitable cases.

Associate Prof. Jones.....36 hours

Text Books: Shoemaker; Potter; Butler; Wood; Forchheimer.

DIVISION VI. MEDICINE AND MEDICAL SPECIALTIES.

Frederick A. Speik, S.B., M.D., *Professor of Medicine.*
Thompson B. Wright, A.M., M.D., *Professor of Medicine.*
Francis Oliver Yost, M.D., *Professor of Pediatrics.*
James Tucker Fisher, M.D., *Professor of Neurology and Psychiatry.*
Charles C. Manger, Ph.G., M.D., *Professor of Neurology.*
Charles C. Browning, M.D., *Professor of Diseases of the Chest.*
F. M. Pottenger, A.M., M.D., LL.D., *Professor of Diseases of the Chest.*
Albert Soiland, M.D., *Professor of Roentgenology.*
Henry Herbert, M.D., *Associate Professor of Medicine.*
Anstruther Davidson, C.M., M.B., M.D., *Associate Professor of Dermatology.*
Edward Douglass Jones, M.D., *Associate Professor of Therapeutics.*
Henry Dietrich, M.D., *Associate Professor of Pediatrics.*
Walter F. Wessels, M.D., *Associate Professor of Medicine.*

WILLIAM ELMER CARTER, M.D.
JOHN VINCENT BARROW, M.D. } *Assistant Professors of Medicine*

ERNEST BRYANT HOAG, A.M., M.D., *Assistant Professor of Pediatrics.*

PETER C. REMONDINO, M.D., *Lecturer on History of Medicine and Medical Bibliography.*

H. E. MCDONALD, M.D., *Lecturer on Life Insurance Examinations.*

GEORGE L. GREER, A.B., LL.B., *Lecturer on Medical Jurisprudence.*

FRANK JAMES LEAVITT, M.D.
A. F. MAISCH, M.D.
A. S. GRANGER, A.B., M.D. } *Lecturers on Medicine.*

LEWIS D. REMINGTON, M.D., *Lecturer on Diseases of the Chest.*

R. S. CUMMINGS, M.D.
DWIGHT S. MOORE, M.D. } *Instructors in Medicine.*

M. J. ROBERTS, M.D.
J. EUGENE FAHY, A.B., M.D.
LEON SHULMAN, M.D.
HERMAN SUGARMAN, M.D. } *Instructors in Diseases of the Chest.*

ROBERT B. HILL, M.D.
A. F. GODIN, M.D. } *Instructors in Medicine.*

A. J. SCOTT, JR., M.D., *Instructor in Pediatrics.*

WM. B. KERN, M.D., *Instructor in Psychiatry.*

ROBERT M. DUNSMOOR, M. D., *Instructor in Electrotherapy.*

CHESTER H. BOWERS, A.M., M.D., *Instructor in Medicine.*

G. E. PATRIC, M.D.
R. C. MACCLOSKEY, M. D. } *Instructors in Diseases of the Chest.*

ADRIAN B. PERKEY, M.D.,
FRANK CROWELL BISHOP, M.D
LOUIS M. KANE, A.B., M.D.,
JOHN MARK LACEY, M.D., } *Instructors in Medicine.*

(a) MEDICINE

COURSE 1. *Normal Physical Diagnosis.* Three hours each week, during the third trimester of the Sophomore year, are devoted to lectures and demonstrations in Normal Physical Diagnosis. This work includes the regional topographical anatomy of the body, the rules governing inspection, palpation, percussion, auscultation, mensuration, including a short course on the signs and symptoms of general diagnosis. In this course specific symptomatology is avoided.

Dr. Kane.....36 hours

COURSE 2. *Didactic Physical Diagnosis.* In the Junior year, one hour each week is given in didactic instruction on charts, models, by drawings, diagrams and on living subjects.

Associate Prof. Herbert.....36 hours

Course 3. *Clinical Physical Diagnosis.* In the Junior year, practical instruction is given Mondays at the County Hospital. History writing constitutes a material part of the work of this course.

Associate Professor Herbert, Drs. Leavitt, Carter, Shulman and Perkey (72 hours each section).

Course 4. *Junior Didactic Medicine.* During the Junior year, three hours each week are devoted to didactic and recitative instruction. The work is of a thoroughly practical nature and embraces a study of Internal Diseases generally, Parasitic Diseases, Infectious Diseases, Constitutional Diseases and the Diseases of the Lungs, Heart and Blood-vessels, Liver, Stomach and Intestines, Pancreas, Kidneys, Spleen and Lymphatic System, Blood and Ductless Glands.

Prof. Wright, Associate Professor Wessels, Drs. Leavitt and Carter, 144 hours.

Course 5. *Junior Clinical Medicine.* Clinics and conference courses at the bedside in the Los Angeles County Hospital are given on Thursdays, 10 to 11 a. m., and Fridays 10 a. m. to 12 m. (exclusive of the work given in Physical Diagnosis). This course is given in sections of eight students.

Prof. Wright, Prof. Browning, Drs. Cummings, Maisch, Granger, and Assistants.
Total.....120 hours each section.

Course 6. *Senior Didactic General Medicine.* The Senior students receive two hours each week didactic and recitative instruction during the first and second trimesters and one hour each week during the third trimester, in General Medicine, covering the subjects given in clinic and conference at the Los Angeles County Hospital. See Course 10.

Prof. Speik, Assoc. Prof. Wessels, and Dr. Barrow.
Total .....84 hours

Course 7. *Senior Tropical Medicine* is taught in the Senior year one hour each week for twenty-four weeks. Clinic cases are seen at the Los Angeles County Hospital whenever possible.

Dr. R. B. Hill, first and second trimesters.....24 hours

Course 8. *Senior Infectious Diseases,* with special reference to Immunity is taught in the Senior year, third trimester.

Dr. R. B. Hill.....12 hours

COURSE 9. *Senior Clinical Contagious Diseases.* Clinic and Conference course, with special reference to Applied Therapeutics.

First trimester, Section B (seven students), Dr. A. J. Scott, Tuesdays, 8 to 10 a. m., 24 hours.

Second trimester, Section A (seven students), Dr. A. J. Scott, Tuesdays, 8 to 10 a. m., 24 hours.

Third trimester, Section C (seven students), Dr. A. J. Scott, Tuesdays, 8 to 10 a. m., 24 hours.

COURSE 10. *Senior Clinical Medicine.*

(a) *Diseases of the Alimentary Tract and Liver.* Clinic and Conference course at the Los Angeles County Hospital.

First trimester, Prof. Speik, Tuesdays, 10 a. m. to 12 m., 24 hours.

Second trimester, Assoc. Prof. Wessels, Wednesdays, 10 a. m. to 12 m., 24 hours.

(b) *Infectious Diseases,* with special attention given to Applied Therapeutics, clinic and conference course at the Los Angeles County Hospital.

First trimester, Prof. Wright, Mondays, 10 a. m. to 12 m., 24 hours.

Second trimester, Prof. Speik, Tuesdays, 10 a. m. to 12 m., 24 hours.

(c) *Diseases of the Heart, Blood Vessels and Kidneys.* Clinic and Conference course at the Los Angeles County Hospital.

First trimester, Assoc. Prof. Wessels, Wednesdays, 10 a. m. to 12 m., 24 hours.

Third trimester, Prof. Speik, Tuesdays, 10 a. m. to 12 m., 24 hours.

(d) *Diseases of Blood and Ductless Glands,* with special reference to Applied Therapeutics. Clinic and conference course, at Los Angeles County Hospital.

Second trimester, Dr. Barrow, Mondays, 10 a. m. to 12 m., 24 hours.

Third trimester, Assoc. Prof. Wessels, Wednesdays, 10 a. m. to 12 m., 24 hours.

(e) *Diseases of Metabolism and Constitutional Diseases.* Clinic and conference course at the Los Angeles County Hospital, with special reference to Applied Therapeutics.

Third trimester, Dr. Barrow, Mondays, 10 a. m. to 12 m., 24 hours.

Total number of hours, Course 10.....216 hours

Course 11. *Senior Clinical Medical Tuberculosis.* Clinic and conference course at the Los Angeles County Hospital. This course is given in sections of seven students.

First trimester, Prof. Browning and Assistants, 24 hours each section.
Second trimester, Prof. Browning and Assistants, 24 hours each section.
Third trimester, Prof. Browning and Assistants, 24 hours each section.

Course 12. *Senior Didactic Medical Tuberculosis.* One hour each week during the Senior year is devoted to didactic work in Medical Tuberculosis.

First trimester, Prof. Pottenger.....12 hours
Second trimester, Prof. Browning.....12 hours
Third trimester, Prof. Browning.....12 hours
Total .....36 hours

(b) PEDIATRICS

Course 1. Junior Class. *The Principles of Pediatrics.* A conference and didactic course comprising the anatomy, physiology and hygiene of infancy and childhood, and the dietetics of infancy, as a foundation for the work in the Senior Class.

Dr. Dietrich.....60 hours

Course 2. Senior Class Didactic and Recitative Instruction one hour each week.

Prof. Yost.....48 hours

Course 3. A bedside clinic and conference course at the Los Angeles County Hospital.

Topics, first trimester, The Dietetics of Infancy, Infant Feeding.
Prof. Yost and Dr. Dietrich, Thursdays, 10-12.....24 hours

Topics, second trimester, The Commoner Diseases of Infancy, Including Rickets, Scurvy, Congenital Syphilis, Tuberculosis and Infectious Diseases.
Prof. Yost and Dr. Dietrich, Thursdays, 10-12.....24 hours

(c) NERVOUS AND MENTAL DISEASES

Course 1. The course in Neurology and Psychiatry in the Junior year consists of lectures and clinics at the College Dispensary and County Hospital.

Prof. Fisher and Dr. Kern (36 hours didactic and 24 hours clinical instruction each section).
Total .....60 hours

COURSE 2. A course in *Pathology of the Nervous System* is given one hour each week during the second trimester and two hours each week during the third trimester of the Junior year.

Prof. Manger .....24 hours

COURSE 3. Senior Class. *Neurology.* Didactic and Recitative conference in *Diseases* of the Nervous System and Psychiatry.

Prof. Manger and Assistants.....72 hours

COURSE 4. Clinic and conference course in Diseases of the Nervous System and Psychiatry at the Los Angeles County and Psychopathic Hospitals.

Prof. Manger and Assistants, Thursday, third trimester, 24 hours.

(d) DERMATOLOGY

Dermatology, embracing within its scope Syphilography, has been taken from the Department of Genito-Urinary Diseases and placed in a separate department.

This course embraces one hour each week throughout the Senior year. The subject-matter covered will be the histo-pathology and bacteriology of the skin, the relations of diseases of the skin to other diseases and to other organs, the individual study of all cutaneous affections, and their diagnosis and latest methods of treatment, including X-ray therapy. The cutaneous manifestations of the various eruptive fevers, their diagnosis and clinical values, will also be considered. Syphilis and its effects, direct and remote, upon healthy and diseased organs, together with the most modern methods of diagnosis and treatment, will be thoroughly studied throughout the year.

Assoc. Prof. Davidson (24 didactic hours, 24 clinic hours).

Total .....48 hours

(e) ROENTGENOLOGY AND ELECTROTHERAPY

COURSE 1. *Electricity.* One lecture a week will be given in the first half of the Senior year covering the source, characteristics, physiological action, and therapeutics of each of the electrical currents used in medicine.

COURSE 2. *Roentgenology.* Lectures and demonstrations during the last half of the Senior year will deal with the X-ray tube, transformers and accessories in their relation to practical radiography. Radium and Light will be included in the consideration of radiotherapy.

The class will have access to a complete X-ray laboratory, having a 16-inch Rhumkorff coil. Also the apparatus for the Oudin, D'Arsonval, and

Tesla high frequency currents, together with the usual wall plate equipment, will be available for demonstration throughout the year.

Prof. Soiland .....36 hours

(f) MEDICAL JURISPRUDENCE

Lectures will be given on the following subjects: Legal relations of physician to patient and patient to physician, including rights to compensation, collection of fees, malpractice; legal relations of physician to government, including government regulation of practice, power to protect public health, nuisances and their abatement, adulteration of foods; elementary general principles of law, knowledge of which frequently is required by and useful to physicians, including wills, estates of insane and deceased persons, crimes of violence, rights of children, negligence; legal aspects of mental disorders and diseases, including testamentary capacity, criminal responsibility of insane, alcoholism and drug addictions, legal incompetency to contract, care for and custody of insane; property rights of insane; personal injuries by violence (a) in civil damage cases, and (b) in criminal cases, including rules of evidence, medico-legal inspection, autopsies (a) to ascertain cause of death, and (b) to obtain evidence of manner of infliction, suicide; toxicology, sex perversions, pregnancy, disease and divorce; life and accident insurance; expert and opinion evidence, including the medical witness, his position, rights and duties.

Efforts will be made in this department to familiarize students with the proper methods of practice and procedure in all matters wherein the practitioner of medicine is likely to come in contact with the law or the government, and especially in that large class of cases where accurate knowledge of legal requirements is called for upon the instant. The lack of such knowledge frequently has enacted great embarrassment, both to the courts and to the medical profession.

George L. Greer, Attorney-at-Law.....36 hours

(g) HISTORY OF MEDICINE AND MEDICAL BIBLIOGRAPHY

Dr. P. C. Remondino of San Diego, Cal., will deliver, during the session of 1915-16, a series of lectures to the entire student body upon that most interesting and instructive topic, History of Medicine and Medical Bibliography. This subject has been added to and made a part of the curriculum of this College. Dr. Remondino has been selected to present this course, he being a man of finished scholarly attainments, and his inherent ability, together with his broad and comprehensive knowledge of this subject, the results of a lifelong study and research into the seemingly impenetrable mysteries of the history of medicine, is an evidence of his peculiar fitness to make this course interesting and instructive. During the coming year Dr. Remondino will begin his course with a lecture on the medicine of the

ancient Arcadians, during which he will trace by the similarity of their Shaminic medicine, the ancient race relationship existing between the Laplander of Northern Europe and the ancient Tauranian races that once inhabited the plains and mountains of Babylonia. Following this, the medicine of the Aboriginal American, Oceanic and African Tribes will form the subject of the next lectures, during which the enlightened state of the medicine of the Malayan Indians of Yucatan will be traced in its origin to early Egyptian sources. The next lectures will be devoted to the elucidation of the states of Egyptian, Hindoo and Greek medicine prior to its pre-Hippocratic era. Then will follow the Hippocratic and Alexandrian, the Roman and the Arabian, with the period of renaissance in Europe in the Sixteenth Century. In fact, a review of Medicine from the earliest possible obtainable history down to and including the present, will be given.

The above outline of the course will suffice to call the attention of the student along these lines to the opportunities offered here in this too oft neglected department. We believe that the broad-minded, up-to-date medical man should know at least something of the history of his profession.

Dr. Remondino..... 6 hours

(h) LIFE INSURANCE EXAMINATION

A series of lectures will be given to the Junior class on Life Insurance Examination.

Dr. McDonald..... 6 hours

(i) MEDICAL ETHICS AND ECONOMICS

This college, in keeping pace with the advancements being made in medical teaching and training, has adopted the recommendation of the Educational Council of the American Medical Association and added to its curriculum a department of Medical Ethics and Economics. The young man or woman taking a degree from a medical institution must go forth, usually illy prepared, to take and to occupy that high position and place in the professional and business world that should be expected of them. This course will consist of twelve lectures to the Senior class during the third trimester upon the fundamental business principles so essential to the success of the young practitioner, the duties of the medical man to himself, to his confreres, to his patients, and to the public at large, the relation that should exist between the medical man and the druggist, the Church, and the State, etc., etc. This course will aim to inculcate into the mind of the student that broad spirit of altruism which should regulate and control the relations existing between mankind. This course will embrace and set forth that true spirit of fraternization that should permeate the ranks of the medical profession, that spirit of brotherly love, which seems to have

been forgotten by the medical fraternity in its onward and rapid progress. The basic principles of organization and unity will be outlined, and, in fact, medical sociology will be woven into a strong and durable fabric which we believe will redound greatly to the future benefit of those who go out into the world, to accomplish better things by better methods.

Profs. Bryson and Seymour.....12 hours

Text Books: *Medicine.*

Practice: Anders; Osler; Tyson; Edwards; Manson; Jackson; Herchfelder.

Diagnosis: Anatomy (for Sophomores); Osler; Butler; Emerson; Anders-Boston; Cabot's Diseases of the Blood; Todd's Manual of Clinical Diagnosis; Da-Costa; C. B. Slade, "Physical Examination and Diagnosis"; Musser.

Pediatrics

Rachford; Rurah; Grulee.

Collateral reading; Rotch; Koplik; Chapin; Jacobi; Kerr; Kerley; Pfaundler and Schlossman; Holt.

Neurology and Psychiatry

Dana; Starr; Mettler; Outlines of Psychiatry by William A. White; Church and Peterson.

Dermatology

Stelwagon; Pusey; Schamberg.

Electro-Therapeutics

Potts, Electricity, Medical and Surgical; McIntosh, Practical Hand-Book of Medical Electricity.

Medical Jurisprudence

Draper; Witthaus and Becker Forensic Medicine and Toxicology, Peterson and Haines.

DIVISION VII. SURGERY AND SURGICAL SPECIALTIES.

James Harvey Seymour, M.D., *Professor of Surgery and Clinical Surgery.*
Orville O. Witherbee, M.D., *Professor of Surgery and Clinical Surgery.*
Charles William Bryson, A.B., M.D., *Professor of Abdominal and Clinical Surgery.*
William Leander Zuill, M.D., *Professor of Otology, Laryngology and Rhinology.*
Thomas Jefferson McCoy, M.D., *Professor of Ophthalmology.*

JOHN JOHNSON KYLE, B.S., M.D., *Professor of Otology, Laryngology and Rhinology.*
CHARLES H. WHITMAN, M.D., *Professor of Clinical Surgery.*
FITCH C. E. MATTISON, M.D., *Professor of Surgery.*
W. W. RICHARDSON, M.D., *Professor of Surgery.*
GEORGE JESSE LUND, M.D., *Associate Professor of Otology, Laryngology and Rhinology.*
GEORGE WASHINGTON MCCOY, A.M., M.D., *Associate Professor of Ophtalmology.*
P. C. H. PAHL, M.D., *Associate Professor of Orthopedic Surgery, Fractures and Dislocations.*
WALTER LESLIE HUGGINS, PH.B., M.D., *Associate Professor of Surgery.*
ANDERS PETERSON, M.D., *Lecturer on Genito-Urinary Diseases.*
W. H. KIGER, M.D., *Lecturer on Proctology.*
CHARLES EATON PHILLIPS, A.B., M.D.
HARLAN SHOEMAKER, M.D. } *Lecturers on Surgery.*

C. H. CRILEY, PH.B., M.D.
ANDREW P. WILSON, M.D.
FRED E. LETTICE, M.D.
EDWARD SWIFT, M.D.
A. T. CHARLTON, M.D.
C. F. NELSON, M.D.
WM. H. GILBERT, M.D.
L. G. AVERY, M.D.
} *Instructors in Surgery.*

ROSS A. HARRIS, M.D., *Instructor in Ophthalmology.*

(a) SURGERY

The course of teaching in this department embraces both didactic and clinical methods and consists of the following:

COURSE 1. *Minor Surgery and Bandaging.* Throughout the Sophomore year, two hours each week during the last trimester will be devoted to Minor Surgery and Bandaging, together with the general principles of Anaesthesia. Minor Surgery, in its broadest sense, as taught in the Sophomore year, will lay the foundation for the Junior and Senior Surgical courses. Anaesthesia, that most reliable and dependable adjunct to the field of operative, surgical science, will be treated minutely, broadly and comprehensively to round out the Sophomore's ideas and knowledge of these subjects as a foundation.

Dr. Avery.....24 hours

COURSE 2. *Junior Surgery.* In the Junior year a thorough and systematic course is given in the fundamental and basic principles of Surgery. This course is conducted along the lines which have proved the most satisfactory

and thorough in the up-to-date and foremost medical institutions throughout the country and consists in lectures, recitations, quizzes, ward walks, close bedside demonstrations and instruction, history writing, case taking, and the actual participation in the treatment and management of all varieties of surgical conditions. This Junior work would not be complete without the postmortem study of various cases that have been under observation in ward and clinic. The Junior Class is divided into sections, from A to D, inclusive. Clinical material is abundant in all departments and each student in each section in each department receives ample personal and the very best collective instruction.

Didactic:
Drs. Huggins, Phillips and Shoemaker (108 hours);

Clinical:
Drs. Huggins, Shoemaker, Phillips, Crily, Swift, Wilson and Avery (96 hours).

Total ..... 204 hours

Course 3. *Fractures and Dislocations* is taught three hours each week during the second trimester and one hour per week during the third trimester of the Junior year. In this course the didactic and mechanical instruction is supplemented by bedside observation at both the college clinic and in the wards of the County Hospital. Here are taught and shown the latest methods in treatment of fractures and dislocations, the adjustment of splints, the application of plaster casts, jackets, and other appliances.

Dr. Lettice ..... 48 hours

Course 4. *Orthopedic Surgery* is given throughout the Junior year, and consists of one hour each week, during second trimester and one hour each week during third trimester, didactic work, with extensive clinical demonstration. two hours each week, at the County Hospital. This course will include instruction in the application and adjustment of orthopedic apparatus; the theory and practice of the treatment of tubercular bone disease by mechanical means, and by the hygienic-dietetic method; the treatment of scoliosis by Abbott's correction, jackets and felt pads, gymnastics, electricity, and massage; treatment of talipes and flat-foot; the management of infantile paralysis; and practical work in the plaster room as well as operative hospital work.

Dr. Pahl (24 didactic hours, 24 clinic hours each section).
Total ..... 48 hours

Course 5. The course in *Senior Surgery* is designed to be essentially an operative one, covering the entire range of General Surgery and will be

conducted four mornings each week from 8 to 10 a. m., in the General Operative Amphitheater at the County Hospital. This clinic is for Senior students and will embrace within its scope not only the surgical technique along with the surgical procedures, but will include the pre- and post-operative management of each case presented. It is presumed that the student has been trained in his Sophomore and Junior years in the fundamentals; that the foundation has been lain, broad and firm in his course and that his mind is receptive to the pre-conditions, the operative technique and the post-operative procedures and conditions, together with the things to be avoided and the dangers to be looked for and dreaded along the lines of this work. The Senior students are also working in college clinic and in Out-Patient department, and when the student finishes his work here in this school, he has had proper training and his foundation is broad and ample. This clinic course is interspersed with didactic, recitative and quiz periods, which serves to round out the course in the most adequate manner.

DIDACTIC:
Prof. Seymour ..... 72 hours
CLINICAL:
Profs. Seymour, Witherbee, Mattison and Richardson 192 hours.
Total ..... 264 hours

(b) GENITO-URINARY DISEASES

This course comprises a series of lectures and clinical demonstrations throughout the Senior year, and is limited to Senior students.

In the didactic course, the anatomy, histology, embryology and physiology of the entire genito-urinary tract is reviewed, such time being spent on this as to insure a thorough knowledge of the fundamental principle of this subject, and then the diseases of the various organs are taken up separately, special attention being given to the pathological changes and their diagnosis.

The operative procedures are taught on the cadaver, and the students are required to go through the various steps of each operation under the guidance of the instructor.

The diagnosis is gone into with each pathological condition as it is being studied, but preliminary to this, special instruction is given in palpation and percussion and various other methods pertaining to genito-urinary diseases in general, individual instruction being given in the use of the cystoscope, urethroscope and catherterization of ureters, etc. These lectures will be illustrated by a series of clinical demonstrations upon material from the College Clinic and at the County Hospital.

Dr. Peterson (24 didactic hours, 24 clinic hours each section).
Total ..... 48 hours

(c) PROCTOLOGY

A department of Proctology has been added under Surgical Specialties. Clinical material is abundant and clinics are conducted at the County Hospital regularly, and will include digital, proctoscopic examinations and operative work, with sufficient didactic and recitative hours to round out the course in this too often neglected surgical specialty.

Dr. Kiger (12 didactic hours, Junior year; 24 clinical hours Senior year).

(d) OTOLOGY, LARYNGOLOGY AND RHINOLOGY.

The work in this department is so arranged as to give the student the broadest possible acquaintance with the clinical side of this subject. This is done by dividing the class into sections so that each section will have three hours of clinical work in the College Dispensary in addition to the County Hospital work.

The didactic work of the department consists of one lecture hour each week in addition to frequent recitations and reviews. The student has every opportunity to familiarize himself thoroughly with all the practical details of this subject and his knowledge of the subject taught is frequently tested by both oral and written reviews.

The didactic course begins with a careful review of the Anatomical details of the Ear, Nose and Throat and their accessory sinuses. Second, the influences of general diseases upon these special organs and also the influence which diseases of these organs exert upon the general condition and health of the patient. Third, methods of examination of these organs and special consideration of the diseases affecting them. Fourth, a careful study of the diseases of the accessory sinuses. Fifth, operations.

Profs. Zuill and Kyle and Assoc. Prof. Lund (36 didactic hours, 24 clinical hours each section.)

Total .....60 hours

(e) OPHTHALMOLOGY

This course on diseases of the eye will consist of one didactic hour each week in the Junior year, and two clinical hours per week in the Senior year, illustrated by the disease in the patient, by charts and blackboard drawings. Minor operations are performed before the class at the College Clinic and major operations at the County Hospital. Ample material is presented at both clinics. Practical instructions on the eye are given in general, the recognition, differentiation and treatment of the common, as well as the complicated diseases and injuries, the principles and clinical instructions on refraction, the uses of the ophthalmoscope, the recognition of diseases of the eye as diagnostic of disease in remote organs. Much

effort is made in the teaching of this subject to make it interesting and impressive to the student.

Prof. Thos. J. McCoy and Assoc. Prof. George W. McCoy (36 didactic hours, 24 clinic hours each section).

Total ..... 60 hours

Text Books: *General Surgery*

DaCosta; Wyeth; Lexer-Bevan; Scudder's Treatment of Fractures; Stimson on Fractures and Dislocations; Bryan's Principles of Surgery.

Operative Surgery: Bryant; Bickham; Treaves; Keen.

Minor Surgery: Foote.

Orthopedic Surgery

Whitman; Bradford and Lovett; Young; Willard.

Genito-Urinary Diseases

No one text book is followed in the course, but the students of this branch are recommended to buy various texts, and thereby the class has the advantage of the different authors writing on this subject.

Works recommended: Casper; Kreissel; Fynger; Corner; Keyes; White and Martin; Morrow's System; Deaver's Diseases of the Prostate Gland; and various texts on Anatomy, Histology and Embryology used in other departments of the school.

Otology, Laryngology and Rhinology

The collateral reading advised on this subject are such works as D. Braden Kyle, "Diseases of Nose and Throat"; J. J. Kyle, 3rd Edition, "Diseases of Ear, Nose and Throat"; Bishop on "Diseases of the Nose, Throat and Ear"; Bacon on "Otology"; Barnhill-Wales, Modern Otology; Packard Diseases of Nose, Throat and Ear.

Ophthalmology

May; Fox; Jackson; De Schweinitz, or Fuchs.

DIVISION VIII. OBSTETRICS, GYNECOLOGY AND ABDOMINAL SURGERY

Walter Sydney Johnson, A.B., M.D., *Professor of Obstetrics.*

Charles William Bryson, A.B., M.D., *Professor of Gynecology, Abdominal and Clinical Surgery.*

Henry E. Southworth, M.D., *Associate Professor of Gynecology.*

Lyle Gillette McNiele, M.D., *Associate Professor of Obstetrics.*

Henry W. Howard, M.D., *Assistant Professor of Gynecology.*

Phil Boller, A.B., M.D., *Instructor in Gynecology.*
W. B. Smith, M.D.
Edgar Allen, M.D.,
A. A. Blatherwick, M.D. } *Instructors in Obstetrics.*

(a) OBSTETRICS

Course 1. *Junior Didactic Obstetrics.* Instruction in Obstetrics is begun in the third year, and is carried on by means of didactic lectures, recitations and demonstrations, upon the manikin and living subject; by the use of charts, wet and dry specimens, models and pelves.

The subject matter during this year embraces the anatomy of the pelvis, physiology, and development of the ovum, normal pregnancy, normal labor and normal puerpery.

Three hours each week, during the first and second trimesters, and four hours each week the third trimester of the Junior year, are given to lectures and recitations.

One hour each week at Los Angeles County Hospital.

Didactic:
Prof. Johnson (12 hours), Dr. McNiele (84 hours).
Clinical:
Dr. McNiele ..... 24 hours
Total ..... 120 hours

Cohrse 2. *Senior Didactic Obstetrics.* Lectures and recitations are continued during the fourth year, at which time the complications and difficulties liable to be encountered in the practice of the science and art of obstetrics are successively considered, viz., abnormal pregnancy, dystocia, and abnormal puerpera. Special attention is given to asepsis, external palpation, pelvimetry, the use of forceps, and the different obstetric operations. The maternity wards of the County Hospital and the many charitable cases coming under the care of this department afford ample material for practical demonstration, thus giving the student a thorough working knowledge of the subject.

Prof. Johnson..... 72 hours

Course 3. *Senior Clinical Obstetrics.* Students in their fourth year are assigned in rotation to the Obstetric Dispensary, where they remain in residence for two weeks. The Dispensary is located in the most thickly populated district of Los Angeles, and annually handles from three hundred to five hundred confinement cases. During his residence the student personally examines all women applying for care during confinement, and is carefully instructed in ante-partum care, pelvimetry, and blood pressure estimates during pregnancy. Each student conducts from six to ten labors, under

the supervision of the Obstetric Attending Staff, and witnesses from twenty to fifty labors in the clinics of the Dispensary, County Hospital and other allied institutions. After delivery the student visits the mother and babe each day for ten days, accustoming himself to the care of normal cases, and early recognition of abnormal conditions. The student is taught a definite and minute aseptic technique and system in obstetric work, all of his work being done under the immediate supervision of the Professor and Associate Professor of Obstetrics and their assistants.

(b) GYNECOLOGY AND ABDOMINAL SURGERY

COURSE 1. *Junior Gynecology.* This course is given to the Junior Class in amphitheatre, college and hospital clinics, and consists of lectures, recitations, manikin, chart and drawing demonstrations, section clinics at the Homer Toberman, Seventh Street, Clinic, and bedside and ward clinics at the County Hospital. The Junior Class is divided into sections, under competent instructors, and are required to write histories, examine patients, suggest diagnosis, treatment and management in individual cases, go over again the anatomy and physiology of the female generative plexus, are taken over and over again the etiology of diseases they see and thus have the foundation of Gynecology lain broadly and well. This course prepares the student for work given in the Senior year.

Assoc. Prof. Southworth (36 didactic hours, 24 clinic hours each section).

Total .....60 hours

COURSE 2. *Senior Clinical Gynecology and Abdominal Surgery.* This course is given at the County Hospital and consists of two hours each week in the Surgical Operating Amphitheatre, where the entire class witness and have explained to them minutely the different methods and the various technique, as well as the post-operative care of patients. Students will be divided into small classes, the better to enable them to witness closely the technique of examinations and manipulations.

Prof. Bryson .....72 clinic hours

COURSE 3. *Senior Clinical Gynecology.* While in the clinics at the College Dispensary, students are required to examine, diagnose and treat patients in the presence of the professor in charge, in order to become proficient in gynecological diagnosis and treatment. In thus bringing the student in close personal relation with a large number and variety of cases, he familiarizes himself with the different methods of examining patients, and at the same time he becomes accustomed to making diagnoses and formulating treatment, as well as witnessing closely and assisting at all of the minor and major operations in gynecology and abdominal surgery. Diseases of the

bladder and urethra will be thoroughly covered in this department and their medical and surgical treatment outlined and demonstrated. Methods of inspection and examination will be taught by the use of charts and manikins, as well as upon living subjects. The practical manipulation and use of the cystoscope will be shown first upon bladder phantoms, then upon the living subject in the Clinical Department. A thorough theoretical as well as practical knowledge of Gynecology and Abdominal Surgery in its broadest scope is a prerequisite to graduation from this college, and every opportunity will be offered the student to prepare himself for the arduous duties that will come to him in his professional career.

Course 4. *Senior Didactic Gynecology and Abdominal Surgery.* In order to make complete this course and round out the student's knowledge of the important subject of Gynecology and Abdominal Surgery, two hours each week will be devoted to lectures and recitations in the College Amphitheatre to the Senior class upon the more fundamental subjects embraced in this department. This course will be illustrated by charts, drawings, models and projectoscope, and will embrace important matters, detail measures and methods that cannot be given for lack of time in the Clinic Operating Amphitheatre. There are many basic essentials, which I maintain the properly equipped young graduate must have, and which must be given in these didactic conferences. Why? Because at a clinic period when several major cases must be operated, time is a valuable asset, the safety of the patients calls for rapid action and many essentials are necessarily passed over. If the eye can see at the same time the ear hears, it is well; but, to see without fully understanding is sometimes confusing; therefore this course of seventy-two hours illustrative conferences to round out the course.

Prof. Bryson (72 didactic hours, 72 clinical hours).

Total ..... 144 hours

Text Books: *Obstetrics*

Williams; Edgar; American Text Book; Hirst; Wright; Davis.

Gynecology and Abdominal Surgery

Ashton; Gilliam; Montgomery; Reed; Penrose; Hirst; Byford; Crossen; Kelly's Operative Gynecology; Surgical Diseases of Abdomen, by Douglas; Abdominal Operations, by Moynihan.

PART VII.

ROSTER OF STUDENTS GRADUATES, 1915 ALUMNI

CATALOGUE OF STUDENTS

SESSION 1914-15

SENIORS

Carter, Clarence Lamar
Chase, Frank Hernon
Colby, Herbert Elliott, A.M., M.D.
Coleman, Barney Ellerton
Coy, Louis Milton
Daniel, William Hardy
Dodge, William Wallace
Farwell, Mrs. Margaret Withey
Felch, Harry Justin
Foster, Percy Ashley
Germann, Albert Carl
Gough, Albert Sidney
Hackett, Earl Charles
Hardie, Wallace Bonton
Holt, Rufus Andrew, Jr.
Jackson, Louis Harris
Lowe, Frank Alexander
Martin, Wallace Perry
Mulvehill, Walter William
Nixon, Chas. Edward (A.B.)
O'Donnell, Earl William
Parker, Wilbur Bird
Raber, William George
Rood, Vernon Voorhees
Rosenkranz, Samuel Victor
Saverien, Arnold Egard
Saylin, Abraham Joseph
Smith, Joseph Kent
Thayer, Lyman Elanson
Zorb, George Anthony

JUNIORS

Benson, Carl Bennett
Chung, Margaret Jessie
Cleeves, Montague
Coleman, Stuart Napoleon
Davis, Harry Herman
Davis, Philip DuMond
Dorn, Norman Francis
Feldman, Abraham (A.B.)
Good, John Ross
Gummess, Karl Chester
Harris, Gilbert Franklin
Jacobson, Harry Pincus
Josephs, Louis
Lund, Le Val
Mitchell, Harry Bolton
Monteleone, Joseph (A.B.)
Nielsen, Harold Westring
Ovsey, Abraham M.
Saylin, Joseph
Schaefer, John Hugo
Scholl, Agnes Julia
Schwartz, Joseph Leon

SOPHOMORES

Anderson, James Fleming
Andrews, Nina Wilhelmina
Beggs, James Henry
Breslin, Frank Jerome (B.L.)
Brown, Charles W. (M.D.V.)
Brown, James Templeman
Carson, William George
Conway, M. W. (A.B., Ph.G.)
Coodley, Oscar
Cox, Edward Rochford
Cunnane, Thos. Bartholomew
Ehlers, Reg. G. M. (M.D.V.)
Fehrensen, Gail
Fosdick, Mildred E. (A.M.)
Frank, Frances Pearl
Gallant, Peter Adolph
Greenburg, Minnie Edna
Guidinger, William Emaniel
Higginbotham, Gordon W.
Hoffman, Philip Block
Hubbard, Henry DeWitt
Hutchison, William Wilson
Judge, William Donald
Judy, Arthur Sinclair
Kaufman, Morris Philip
Levin, Harry
Lupton, Earl Lane
Marsden, Samuel Arthur
Mellman, Clarence
Moody, Earl Egbert (A.B.)
Morrison, Maude Leontine
McCoy, Earl Tucker
McClurkin, Arthur Archibald
McDonald, Thomas Gregory
McLaughlin, James Henry
McLean, Frances Evelyn
Norton, Archie Augus
Paulson, Archie Martin
Pierce, Sterling Newton
Ramsey, Robert Ewart, A. M.
Renfrew, John Beatty
Robinson, Charles A. (B.A.)
Ryan, Clark David
Rynin, Simon Solomon
Schwartz, Edward Isador
Shea, George Clement
Suski, Peter M.
Swancott, John
Swantek, Casemyra
Swartz, Bret Albert
Swartz, Rex Forest
Takahashi, Teiji
Taylor, Frank Wm. Howard
Wallace, Guy (A.B.)
Wells, Mrs. Maria Christina
Whitlow, Leslie Willis
Wilson, Clair

*Deceased.

FRESHMEN

Baron, Peter Paul
Biorkman, Claes Gustav A.
Chapin, Charles Cox (B.L.)
Cochran, Richard Cocks
Curl, Robert Latta
Daly, Edward Joseph, Jr.
Felsenthal, Louis (D.D.S.)
Germon, Pierre Joseph
Grant, Garnet Berke (B.S.)
Harris, Elmer Garrison
Hill, Jack Charles
Kessler, Ernest E. (A.B.)
Leonard, A. T. (A.B., B.S.)
Leven, Aaron Samuel
Mundorff, John J. (B.S.)
Murphy, William Roe (B.S.)
Shea, George Clement
Smith, Arthur Wells (A.M.)
Talbott, William Thompson
Thompson, Harry Douglas

Tice, Eldon Webb (A.B.)
Waters, Zura Orthello
Webster, Dorothea

TOTAL NUMBER OF STUDENTS ENROLLED

Fourth year	30
Third year	22
Second year	57
First year	23
Total number enrolled session 1914-15	132

GRADUATES

Carter, Clarence Lamar
Chase, Frank Hernon
Coleman, Barney Ellerton
Coy, Louis Milton
Daniel, William Hardy
Dodge, William Wallace
Farwell, Mrs. Margaret Withey
Foster, Percy Ashley
Germann, Albert Carl
Gough, Albert Sidney
Hackett, Earl Charles
Hardie, Wallace Bonton
Holt, Rufus Andrew, Jr.
Jackson, Louis Harris
Lowe, Frank Alexander
Martin, Wallace Perry
Mulvehill, Walter William
Nixon, Charles E. (A.B.)
O'Donnell, Earl William
Parker, Wilbur Bird
Raber, William George
Rosenkranz, Samuel Victor
Saylin, Abraham Joseph
Thayer, Lyman Elanson
Zorb, George Anthony

Total number of graduates, session 1914-15 25

The following named graduates of the Class of 1915 have secured and will fill interneships in the hospitals mentioned below:

Carter, Clarence Lamar.....Mary's Help Hospital, San Francisco, Cal.
Chase, Frank Herron.....County Hospital, Los Angeles, Cal.
Coleman, Barney Ellerton.....County Hospital, Los Angeles, Cal.
Coy, Louis Milton.....County Hospital, San Bernardino, Cal.
Daniel, William Hardy.....Sister's Hospital, Los Angeles, Cal.
Dodge, William Wallace.....County Hospital, Los Angeles, Cal.
Farwell, Mrs. Margaret Withey..County Hospital, Los Angeles, Cal.
Foster, Percy Ashley.....County Hospital, Los Angeles, Cal.
Germann, Albert Carl.....County Hospital, Los Angeles, Cal.
Gough, Albert Sidney.....County Hospital, Los Angeles, Cal.
Hardie, Wallace Bonton.....County Hospital, Fresno, Cal.

Holt, Rufus Andrew, Jr.....California Hospital, Los Angeles, Cal.
Jackson, Louis Harris.....County Hospital, Los Angeles, Cal.
Lowe, Frank Alexander.....County Hospital, Los Angeles, Cal.
Martin, Wallace Perry.....County Hospital, Sacramento, Cal.
Mulvehill, Walter William.....County Hospital, Los Angeles, Cal.
Nixon, Charles Edward.....City Maternity Dispensary, Los Angeles.
O'Donnell, Earl William.....Mary's Help Hospital, San Francisco, Cal.
Parker, Wilbur Bird.....County Hospital, Los Angeles, Cal.
Rosenkranz, Samuel Victor.....County Hospital, Los Angeles, Cal.
Thayer, Lyman Elanson.....City Maternity Dispensary, Los Angeles.
Zorb, George Anthony.....Mary's Help Hospital, San Francisco, Cal.

Other members of the class are accepting interneships in other hospitals.

PRIZES AWARDED, SESSION 1914-15

The following prizes were awarded at Commencement Exercises:

The Faculty prize, an engraved gold medal, for the member of the Senior Class obtaining the highest general average in the final examinations, was awarded to SAMUEL VICTOR ROSENKRANZ.

The Faculty prize, an engraved gold medal, for the member of the Junior class obtaining the highest general average in the final examinations, was awarded to KARL CHESTER GUMMESS.

The Faculty prize, an engraved gold medal, for the member of the Sophomore Class obtaining the highest general average in the final examinations, was awarded to EARL EGBERT MOODY, A.B.

The Faculty prize, an engraved gold medal, for the member of the Freshman Class obtaining the highest general average in the final examinations, was awarded to HARRY DOUGLAS THOMPSON.

The Special James H. Seymour prize, an engraved gold medal, for the member of the Senior Class obtaining the highest general average in Surgery in the finals, was awarded to WALLACE BONTON HARDIE.

The Special Charles W. Bryson prize, an engraved gold medal, for the member of the Senior Class obtaining the highest general average in Gynecology and Abdominal Surgery in the finals, was awarded to MRS. MARGARET WITHEY FARWELL.

ALUMNI

From 1888 to 1909, graduated under the title of "College of Medicine, University of Southern California."

Since 1909, graduated under title of "College of Physicians and Surgeons, Medical Department, University of Southern California."

†Graduates of "College of Physicians and Surgeons of Los Angeles" before consolidation with University of Southern California.

*Deceased.

Abramson, Max Jacobs....1911
Allen, Addie Brown....1910
Allen, Carlton S....1909
Allen, T. M....1903
Ammann, Francis Xavier....1912
Anton, Francis L....1899
Armstrong, M. M....1902
Atkinson, Charles Edwin....1907
Avery, Lewis Gorton....1913

Bagg, Charles P....1888
Bahrenburg, G. E....1903
Ballard, John William, Jr....1914
Bames, Otto....1913
†Barham, Frank Forrest....1906
Barnhart, W. 1906
Bayley, W. 1905
Beardslee, Arthur 1907
Beck, Horace Richard....1914
Becker, Max A....1900
Beckett, W. W....1888
Bell, Frank, Jr....1913
Berger, B. D....1903
Bewley, Marietta H....1900
Bishop, Frank Crowell....1914
Blake, Wendell Phillipps....1913
Blanchar, William Otis....1913
*Blaney, C. H....1904
Bledsoe, W. C., Jr....1903
Boal, C. D....1901
Boigelot, Andre....1908
Boller, Phil (A.B.)....1911
Bonoff, Karl Marx....1914
Boody, Fred Joseph....1913
Bowers, Chester Herbert(A.M.)..1913
Boyd, Leslie C....1900
Boyd, Wilbur Travis....1911
Boyer, John Ira....1912
Bradley, Edward R....1888
Bresee, Melvin A....1896
Bresee, Paul H....1892
Bristol, S. A....1906
Brown, Archibald R....1907
Brown, F. H....1904
Brown, Ira E....1904
Brown, J. C....1905
Brown, L. J....1904
†Brown, Newbern Nuckells....1905
†Brown, Newell Jonathan, Jr....1905
Brown, T. F....1901
Bullard, Frank D. (A.M.)....1888
Burk, Earl Elihu (A.B.)....1914
Burtt, L. W....1905
Butterfield, Amelia 1907
†Byron, Ralph Louis....1908

Cahen, Caesar G....1908
Cahen, Edmond 1908
†Cain, Luther Mason....1905
Campbell, George W....1889
Campbell, Robert A....1894
Carlson, Arthur Charles....1910
Carter, Clarence Lamar....1915
Carter, Nelson 1903
Carter, Ray Alden (A.M.)....1913
†Carter, William Elmer....1908
Caven, Charles Lee....1896
Caven, Evangeline Rowe....1898
Chadwick, Benjamin Cole....1914
Chaffin, Rafe Chester....1907
Chamberlain, H. H....1906
Chambers, Flora 1907
Charleston, Vernon Claude....1912
Chase, Frank Hernon....1915
Chase, Raymond E....1901
Chiapella, J. O....1905
Clair, F. 1905
Clark, Isaac Frederic....1912
Claypool, E. J....1904
Clinton, Edwin Morenhout....1910

Close, Katherine Margaret....1914
Cocke, John Vinton....1911
Coffey, Titian James....1898
Colburn, Iola M....1895
Coleman, Barney Ellerton....1915
Collins, Ebert Caleb....1912
Cook, Clarence W....1908
Cook, Edward J....1897
Cook, John B....1890
Cook, J. L....1905
*Cory, Henry Manning (A.B.)..1898
Cowan, James R....1909
Cowell, I. 1906
Cox, Roy Milo 1914
Coy, Louis Milton....1915
Craig, John Bryan (A.B.)....1914
Crawford, Olive....1913
Crise, B. 1903
†Cummins, Thomas James....1908
Cunnane, Philip John....1914

Dakin, Wirt B....1908
Daniel, William Hardy....1915
Davey, Edgar Charles....1912
*†Davis, William Oliver....1908
Dawley, G. G....1903
Day, Robert V....1897
Deakin, Stanley McClure....1912
Decker, C. W....1906
Deering, W. E....1902
Dennis, Mary E....1897
DeVille, Leon 1911
Dieterle, Karl Lional....1914
Dillingham, Frank S....1900
Dillon, E. T....1901
Doak, Thomas C....1908
Dodge, William Wallace....1915
Domann, Arthur Henry....1911
Dudley, W. O....1906
Duncan, Rex D. 1909
Dunsmoor, John M....1900
Dunsmoor, Nannie C....1900
Dunsmoor, Robert Morris....1913
Dunton, Wallace A....1892
Dwight, Wilder....1896
Dwire, F. B....1906

Eisen, Edward George....1914
Ellinwood, Lathrop....1909
Elliot, Carroll C. (A.B.)....1907
Ellis, H. Burt (B.A.)....1888
Ellis, Lula Talbot....1888
Ellis, Melvin 1909
Emmons, Calvert L....1908
Eversole, Henry O....1908

Fairchild, F. D....1906
Fales, J. E....1906
Farnsworth, D. C....1906
Farwell, Mrs. Margaret Withey..1915
Fearon, William Max....1913
Felch, Miner Frank....1913
Felger, Louie 1914
Ferbert, John C....1897
Ferry, F....1903
Field, A. M. (A.M.)....1903
Fielding, G. A....1902
Filz, F. L....1903
Findheisen, R....1901
Finley, Theodore G....1908
Fisher, Charles Albert....1913
Fisher, Ward Lyford....1914
Flagg, Don Perley....1909
Flinn, Homer John....1912
Foster, C. W....1903
Foster, Percy Ashley....1915
Fox, Warren Franklin....1913
Foye, Frank Alonzo....1912
France, Gerald D....1913
Frank, M. A. S....1908
Franklin, B. F....1901
Fraser, Alexander T....1897
French, C. E....1902
French, J. R....1906
Friedman, C. 1903

Gaebe, O. C....1905
Gage, Clifton Earl....1910
Garcelon, H....1904
Germann, Albert Carl....1915
Garrett, Edward H....1899
Genung, Mabel A....1911
Gibbs, R. S....1901
Ginsburg, Samuel Simon....1913
Givens, Alice M....1891
Goodale, Robert H....1907
Goodrich, C. E....1903
Gough, Albert Sidney....1915
Gowan, J. S....1903
Graham, Chas. M....1908
Griffith, R. B....1904
Griggs, Zenora S....1899

Hackett, Earl Charles....1915
Hagadorn, J. Lee....1893
Hagadorn, Mary E....1892

Hagan, Ralph....1895
Hale, Nathan George....1914
†Hall, Edwin Hines....1908
Hall, J. H....1905
Hall, James S....1900
Hall, William Ethelbert....1912
Ham, J. Garfield....1907
Hammond, Nettie E....1896
Hardie, Wallace Bonton....1915
Harding, Henry Wilbur....1914
Hart, John Franklin....1912
Hastings, Seman W....1908
Hasty, Ella Mercy....1912
Haviland, Clarence M....1894
Hawkins, George Agustus....1895
Hayes, Charles A....1900
Hayes, N. S....1904
Hegardt, Mrs. Nelle F. M....1914
Henry, Joseph W....1897
†Herendeen, Ralph Eugene....1909
Hibben, John Severy....1914
Hicks, W. W....1902
Hill, Walter B....1909
Hiller, Albert W....1909
Hipsh, J. F....1906
Hitt, Samuel M....1890
Hoare, Harry James....1910
Hoch (Hay), E. O....1902
Holden, Joseph M....1899
†Holgate, Charles Ernest....1908
Holleran, James F....1908
Holleran, Walter M. (M.S.)....1914
Hollingsworth, L. D....1905
Holt, Rufus Andrew, Jr....1915
Horstmann, Elsa H....1908
Horton, Jesse Chrisman....1914
Howson, Carl Robert....1913
Huff, L. J....1905
Huggins, Walter L. (Ph.B.)....1908
Hull, F. E. 1908
Huntoon, Harry A....1908
Hull, Foster Miller....1912
Hutchins, Fanny Collins....1893

Iland, Minnie....1907

Jackson, Arthur H....1907
Jackson, J. A....1903
Jackson, Louis Harris....1915
Jenks, C. A....1903
Jenkins, H. D....1904
Jenkins, J. E....1903
Jesberg, Simon Henry....1913
Johnson (Hayes), Alice S....1901
Johnson, Silas F....1894
Jones, A. H....1908
†Jones, Edward Douglass....1907
Keep, Frederica A....1900

Keith, Duke 1904
Kelly, Gilbert A....1913
Kelso, John C....1900
†Kidder, Frank W. K....1909
*Killebrew, Wm. G....1890
King, Joseph Millen....1895
Kinne, E. F....1906
Kirkpatrick, John L....1899
Kittle, Walter Francis....1914
Knox, G. A....1906
Kobayashi Shinabu (M.D.)....1897
Koebig, Walter Christian S. (A.B.) 1910
†Koharu, Rokuro (M.D.)....1906

Lamb, Wah Jean 1896
Larzalere, Ray Verplank....1914
Laubersheimer, George A....1900
Lawton, C. W....1905
Lazard, Edmond Myer....1897
Ledyard, C. C....1906
Leonard, E. L....1902
Lesem, Alexander Marx....1914
†Lewis, William Joseph....1907
Libby, Arthur A. 1897
†Lindsey, Laurence L....1909
Linhart, Lawrence Ritchie....1913
Loomis, Melville L....1900
Lowe, Frank Alexander....1915
Lowman, Chas. L....1907
Lucey, Daniel D....1913

McArthur, J. H....1905
McCombs, Virgil J....1900
McCoy, Gaylord 1899
McCrea, Agnes Benford....1913
McGarry, John A....1898
McIntyre, Thomas Archibald....1914
McKellar, D. D....1905
*McLeod, John C....1896
McNeil, H. G....1901
McQuiston, C. E....1903
Mackey, John C....1898
Mackey (Hayes), Maud Aura....1898
Macleish, Archibald C....1908
†Magee, Allyn Claude....1908
†Martin, Jean Marion....1905
Martin, Marshall L....1907
Martin, Wallace Perry....1915

Mattison, E. G. 1906
Mayne, William H. 1900
Meharry, J. S. 1900
Meyers, T. Chalmers 1900
Millsap, R. 1903
Misch, Herman Benjamin 1914
Molony, W. R. 1901
Moore, A. W. 1904
Moore, E. C. 1904
Mordoff, Chas. Espy 1910
Morris, Margaret M. 1907
Muller, Frederick William 1912
Mulvehill, Walter William 1915
Murphy, Claire W. 1891
Murphy, George S. 1891
Murrieta, Alfred J. 1899
Mustard, John J. 1907

Nelson, Clyde Vincent (B.S.) 1914
Nelson, Fred Howell 1912
Newcomb, Ralph H. 1908
Nixon, Charles E. (A.B.) 1915
Norton, F. L. 1901

O'Brien, Joseph J. 1908
O'Donnell, Earl William 1915
*O'Neil, Frank L. 1897
O'Reilly, Edmund Francis 1914
†Opp, Paul Alfred 1908
O'Reilly, T. J. 1901
O'Reilly, T. W. 1906
Osburn, Percy P. 1909

Padleford, G. E. 1904
Pahl, P. C. H. 1901
Pallette, Edward W. (Ph.M.) 1898
Parker, Ida B. 1895
Parker, Wilbur Bird 1915
Parrish, Frederick Watson 1910
Pascoe, Elmer R. 1908
Patric, Gladys Emilia 1912
Patton, E. E. 1906
Peery, J. R. 1906
Perry, Joseph Raymond 1914
Peters, Lula H. 1909
†Peterson, Anders 1909
Petter, Reginald S. 1902
Phelps, C. 1906
Pierce, Clarence W. 1898
Platt, Irving Smith 1912
*Post, Thomas Edward 1892
Pottenger, J. E. 1905
Pound, C. C. 1903
Powell, Albert B. 1891
Pratt, A. C. 1904
Preston, William H. 1895
Prigge, Henry 1907
Putman, H. A. 1904

Quint, Sumner J. 1899

Raber, William George 1915
Rankin, C. W. 1903
Rankin, J. T. 1903
Reed, W. J. 1906
Rees, Clarence Edwin 1914
Reeves, James Walter 1913
Reiche, C. 1901
Remondino, C. H. E. 1905
Reynolds, Frederick W. 1900
Reynolds, Palmer R. 1892
†Richards, Samuel Burgess 1906
Riggins, Philip E. 1907
Riley, S. V. 1904
Rinker, Casper A. 1908
Rogers, Homer 1897
Rogers, John Lincoln 1896
Ronan, Richard Robert 1912
Rood, Vernon Voorhees 1915
Rookledge, P. L. 1904
Rose, Homer DeWitt 1914
Rosenkranz, Herbert Augustus (A.B.) 1910
Rosenkranz, Samuel Victor 1915
Ross, Karl 1908
Rosson, Ray Wright 1914
Roth, Leon J. 1901

Sabichi, G. C. 1904
Sands, Raymond Arthur 1913
Saylin, Abraham Joseph 1915
*Schilling, Gottfried A. 1892
Scholz, Arnold Max 1914
Schroeder, Leo A. 1907
Schutz, M. A. 1899
†Schwartz, Charles Edward 1908
Schwartz, David Zisman 1913
Scott, Alfred J., Jr. 1909
Seabolt, Gertrude C. 1907
Seymour, E. C. 1903
Shaffner, T. L. 1889
Shattuck, Alvin 1913
Sherer, W. W. 1906
*Sherman, Harry C. 1897
Shoemaker (Jones), Mary E. 1890
*Shrode, D. Lee 1894
*Shrode, Jennie 1893
Simonds, Paul Ed 1908

Skeel, Donald W. 1899
Sleeper, K. R. 1906
Smiley, W. J. 1906
Soiland, Albert 1900
Spence, John H. 1899
Spencer, J. F. 1904
Smart, Elliott Plummer 1912
Smith, Arthur M. 1898
Smith, Bim 1899
Smith, H. 1906
Smith, Harry A. 1894
Smith, Samuel F. (B.S.) 1895
Smith, W. S. 1902
Stadfield, Clayton Grube 1910
Stafford, O. R. 1901
†Stahl, William Frederick 1905
Standlee, Claud 1907
Steen, D. B. 1903
Sterns, William H. 1899
Stinchfield, Herbert A. 1899
Stoner, Clarence Emery 1893
Suckow, J. L. 1905
Sundin, Peter O. 1907
Swearington, A. W. 1906
Syer, W. H. 1904

Taft, Gertrude 1893
Tanner, J. B. 1902
Tate, C. Francis S. 1895
Taylor, Raymond Greswold 1896
Tebbet, H. B. 1904
Tebbets, John H. 1908
Thayer, Lyman Elanson 1915
Thiele, W. C. (B.S.) 1888
Thieme, D. A. J. W. 1905
Thompson, H. A. 1906
Thompson, Roy Oliver 1914
Thornton, James 1910
Thurber, Delos Packard 1912
Thurber, William Grant 1912
*Todd, William 1896
Townsend, Vinton R. 1909
Traughber, William Francis 1911
Trevelyan, Geo. H. 1907
True, H. B. 1903
Tuthill, Alexander M. 1895

Ullyot, Thomas H. 1908

Valle, Anthony Z. (B.S.) 1888
Van Valkenburg, M. 1902
Vaughn, Edwin Legrand 1897
Voorhees, H. M. 1905
†Vye, James Putman 1909

Wada, Kennosuke 1890
*Wales, Herbert N. 1896
Walrath, George Byron 1895
Ward, Edward D. 1907
Wardell, Clarence E. 1907
†Wasson, Thomas Senn 1905
Waterman, C. O. 1904
Weber, Wm. L. 1908
Welch, Curtis W. 1898
Wellcome, E. M. 1905
Werner, Ewald Alfred S. 1910
Wheat, J. Edgar 1900
Wheeler, Laurence W. 1893
Whitmore, M. V. 1890
Wickett, Wm. H. 1907
†Wilcox, Glover Brown 1908
Wilde, Kate 1898
Wiley, C. B. 1904
Williams, Ralph 1893
Wilson, A. P. 1902
Wilson, Loren Everett 1912
Wilson, R. R. 1904
Winter, A. H. 1906
Wise, Phillip L. 1905
Wood, C. H. 1905
Wood, W. A. 1906
Wright, Clifford C. 1907

Yager, William Laurence 1912
Yerxa, C. 1903
*Young, C. C. 1901
Young, Charles Stephen 1914
Young, Edgar Nelson 1912

Zimmerman, A. F. 1905
Zorb, George Anthony 1915

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1916/17

UNIVERSITY OF SOUTHERN CALIFORNIA
VOLUME XI. BULLETIN NUMBER 3

COLLEGE OF PHYSICIANS AND SURGEONS

MEDICAL DEPARTMENT

LOS ANGELES, CAL.

Annual Catalog and Announcement

Session 1916-1917

July, 1916

Published Bi-Monthly by the University
Entered as Second-class Matter under Act of Congress, July 17, 1894
LOS ANGELES, CALIFORNIA

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Entered as Second-class Matter under Act of Congress, July 17, 1894
LOS ANGELES, CALIFORNIA

THE UNIVERSITY

The University of Southern California was founded in 1879, and was formally opened for students in October, 1880. It includes the following colleges, each of which has a distinct faculty of instruction:

College of Liberal Arts—35th Street and University Avenue.
George F. Bovard, A.M., D.D., LL.D., President

The Graduate Department—35th Street and University Avenue.
George F. Bovard, A.M., D.D., LL.D., President.

College of Physicians and Surgeons—516 East Washington Street.
Charles W. Bryson, A.B., M.D., Dean.

College of Dentistry—16th and Los Angeles Streets.
Lewis E. Ford, D.D.S., Dean.

College of Law—Tajo Bldg., First and Broadway.
Frank M. Porter, A.B., LL.M., Dean.

College of Theology—35th Place and Hoover Street.
Ezra A. Healy, A.M., D.D., Dean.

College of Pharmacy—35th Street and University Avenue.
Laird J. Stabler, M.S., Ph.C., Dean.

College of Music—Mason Opera House.
Branch Office, 35th St. and University Ave.
Walter F. Skeele, A.B., Dean.

College of Oratory—35th Street and University Avenue.
Beulah Wright, Dean.

College of Fine Arts—201 North Avenue 66.
William L. Judson, Dean.

The University High School—35th Street and University Avenue.
George F. Bovard, A.M., D.D., LL.D., President.

The Marine Biological Station—Venice, California.
Albert B. Ulrey, A.M., Director.

Information concerning any of the colleges, and year-books containing the courses of study, etc., will be mailed upon application to the addresses given above.

BOARD OF UNIVERSITY TRUSTEES

TERM EXPIRES 1916

A. W. Adkinson, A.M., D.D.
W. W. Beckett, M.D.
G. F. Bovard, A.M., D.D., LL.D.
W. M. Bowen, LL.B.
H. W. Brodbeck, D.D.S.
J. E. Carr
P. F. Cogswell
B. C. Cory, A.M.
Alfred Inwood, D.D.
A. J. Wallace, LL.D.

TERM EXPIRES 1917

Bishop Edw. H. Hughes, D.D., LL.D.
Geo. I. Cochran, A.M., LL.B.
W. F. Cronemiller
J. B. Green, A.B., D.D.
E. P. Johnson
F. M. Larkin, Ph.D.
Chas. E. Locke, D.D, LL.D.
Charles A. Parmelee
A. E. Pomeroy, A.M.
Frank G. H. Stevens, A.B.

TERM EXPIRES 1918

Julius A. Brown
George W. Coultas, A.B., S.T.B.
George L. Hazzard, A.M.
Ezra A. Healy, A.M., D.D.
Gail B. Johnson
S. P. Mulford
William D. Stephens
Francis Q. Story
Stephen Townsend
Albert J. Wallace, LL.D.

JUDICIAL COUNCIL OF THE MEDICAL DEPARTMENT

President George F. Bovard, A.M., D.D., LL.D.
Dean Ch. W. Bryson, A.B., M.D.
James H. Seymour, M.D.
W. W. Beckett, M.D.

FACULTY COUNCIL

Ch. W. Bryson, A.B., M.D., *Chairman*
J. H. Seymour, M.D.
T. J. McCoy, M.D.
W. L. Zuill, M.D.
F. A. Speik, S.B., M.D.
A. Davidson, C.M., M.B., M.D.
E. D. Jones, M.D.
H. E. Southworth, M.D., *Secretary*
H. O. White, M.D.
F. S. Hammett, A.B., M.S., A.M., Ph.D.
L. G. McNeile, M.D.
A. D. Bush, B.S., M.D.
T. H. Glenn, A.B., Ph.D., M.D.

COMMITTEE ON CURRICULUM

Ch. W. Bryson, A.B., M.D., *Chairman*
J. H. Seymour, M.D.
F. A. Speik, S.B., M.D.
Harry O. White, M.D.
F. S. Hammett, A.B., M.S., A.M., Ph.D.
A. D. Bush, B.S., M.D.
T. H. Glenn, A.B., Ph.D., M.D.

OFFICERS OF ADMINISTRATION

George Finley Bovard, A.M., D.D., LL.D.....35th St. and University Ave.
President of the University.

Charles William Bryson, A.B., M.D.....808-815 Citizens Nat. Bank Bldg.
Dean of the Medical Department.

P. C. H. Pahl, M.D.....1015 Baker-Detwiler Bldg.
Chief of Washington Street Clinic.

Lyle Gillett McNeile, M.D.....626 Marsh-Strong Bldg.
Chief of Obstetrical Clinics.

John H. Montgomery, M.S., E.E.....35th St. and University Ave.
Registrar of the University and Secretary of the Credential Committee of the University.

Amy Marsh.....810 Citizens National Bank Bldg.
Registrar of the Medical Department and Secretary to the Dean.

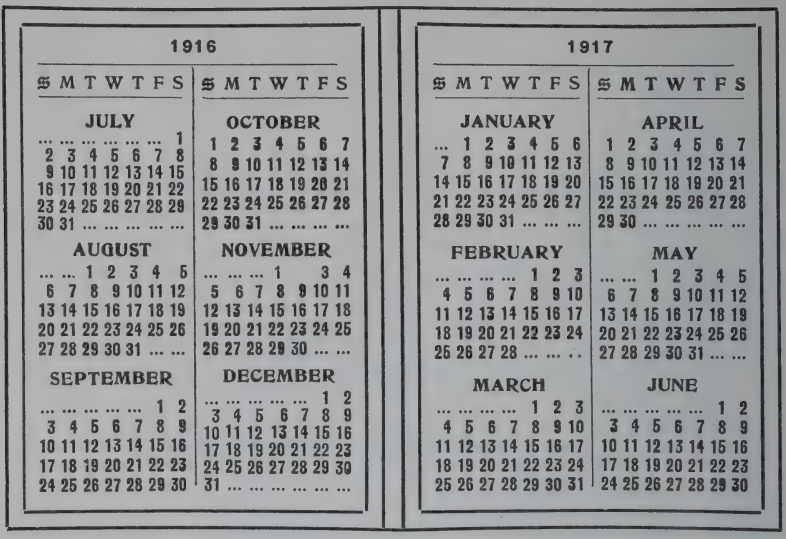
UNIVERSITY CREDENTIAL COMMITTEE*

A. B. Ulrey, A. M., Chairman
L. S. Weatherby, A.M., Ph.D.
L. M. Riddle, A.M.
F. J. Klingberg, A.M., Ph.D.
R. E. Schultz, A.M.
P. S. Wood, A.B.
John H. Montgomery, M.S., E.E., Secretary.

*This committee passes upon and evaluates preliminary credentials of all students entering the Medical Department.

COURSE OF STUDY, FOUR YEARS

OF NINE CALENDAR MONTHS EACH



CALENDAR

COLLEGE OF PHYSICIANS AND SURGEONS

SESSION 1916-17

1916

August 30, 31, September 1, 2....Examination for Entrance and Advanced Standing in the Session of 1916-17.
September 5.....First Semester begins
November 30.....Thanksgiving Day. A holiday.
December 23.....Christmas Vacation begins

1917

January 2.....Christmas Vacation ends
February 22.....Washington's Birthday. A holiday
January 20.....First Semester ends
January 22.....Second Semester begins
April 4.....Spring Recess begins
April 9.....Spring Recess ends
May 14.....Senior Final Examinations begin
May 21.....Junior Final Examinations begin
May 30.....Decoration Day. A holiday
May 31.....Sophomore and Freshman Examinations begin
June 3.....Baccalaureate Sunday
June 7.....Commencement Day

PART I.

FACULTY

SENIOR FACULTY

George Finley Bovard, A.M., D.D., LL.D.....35th St. and University Ave.
President of the University.

Charles William Bryson, A.B., M.D.....808-815 Citizens Nat. Bank Bldg.
Dean of the College of Physicians and Surgeons, and Professor of Gynecology, Abdominal and Clinical Surgery.

James Harvey Seymour, M.D.....502 Brockman Bldg.
Member of the Judicial Council and Professor of Surgery and Clinical Surgery.

Orville O. Witherbee, M.D.....527 W. Seventh St.
Professor of Surgery and Clinical Surgery.

Lyman Brumbaugh Stookey, A.M., Ph.D.....640 Consolidated Realty Bldg.
Professor of Experimental Physiology.

James Tucker Fisher, M.D.....508 Hollingsworth Bldg.
Professor of Neurology and Psychiatry.

Thompson B. Wright, A.M., M.D.....Crown Apts., Pasadena, Cal.
Professor of Medicine.

William Leander Zuill, M.D.....709-717 Wright & Callender Bldg.
Professor of Otology, Laryngology and Rhinology.

Thomas Jefferson McCoy, M.D.....636 Security Bldg.
Professor of Ophthalmology.

Harry Oscar White, M.D.....516 East Washington St.
Professor of Anatomy, Histology and Embryology.

Charles C. Manger, Ph.G., M.D.....1106-07 Marsh-Strong Bldg.
Professor of Neuropathology and Clinical Neurology.

John Johnson Kyle, B.S., M.D.....702 Title Insurance Bldg.
Professor of Otology, Laryngology and Rhinology.

Charles H. Whitman, M.D.....County Hospital
Professor of Clinical Surgery.

Fitch C. E. Mattison, M.D...326-33 Chamber of Com. Bldg., Pasadena, Cal.
Professor of Surgery.

W. W. Richardson, M.D.....611 Lissner Bldg.
Professor of Surgery.

Charles C. Browning, M.D.....601 Merritt Bldg.
Professor of Diseases of the Chest.

F. M. Pottenger, A.M., M.D., LL.D.....1100-1 Title Insurance Bldg.
Professor of Diseases of the Chest.

Frederick S. Hammett, A.B., M.S., A.M., Ph.D.....516 E. Washington St.
Professor of Biological Chemistry.

Albert Soiland, M.D.....527 W. Seventh St.
Professor of Roentgenology.

Frederick A. Speik, S.B., M.D.....800 Auditorium Bldg.
Professor of Medicine.

Lyle Gillett McNeile, M.D.....626 Marsh-Strong Bldg.
Professor of Obstetrics.

Arthur Dermont Bush, B.S., M.D.....516 E. Washington St.
Professor of Physiology and Pharmacodynamics.

Thomas H. Glenn, A.B., Ph.D., M.D.....516 E. Washington St.
Professor of Pathology, Bacteriology and Clinical Microscopy.

ASSOCIATE FACULTY

Associate Professors

George Jesse Lund, M.D.....414-17 Auditorium Bldg.
Associate Professor of Otology, Laryngology and Rhinology.

George Washington McCoy, A.M., M.D.....636 Security Bldg.
Associate Professor of Ophthalmology.

Henry Herbert, M.D.....719-720 Hollingsworth Bldg.
Associate Professor of Physical Diagnosis.

Anstruther Davidson, C.M., M.B., M.D...1018 Los Angeles Investment Bldg.
Associate Professor of Dermatology.

Clarence Holmes Criley, Ph.B., M.D.....404 Auditorium Bldg.
Associate Professor of Anatomy.

Edward Douglass Jones, M.D.....208 Consolidated Realty Bldg.
Associate Professor of Therapeutics.

Henry E. Southworth, M.D.....709-717 Wright & Callender Bldg.
Associate Professor of Gynecology.

Henry Dietrich, M.D.....917 Brockman Bldg.
Associate Professor of Pediatrics.

P. C. H. Pahl, M.D.....1015 Baker-Detwiler Bldg.
Associate Professor of Orthopedic Surgery, Fractures and Dislocations and Chief of Washington Street Clinic.

Walter F. Wessels, M.D.....933 Title Insurance Bldg.
Associate Professor of Surgery.

Walter Leslie Huggins, Ph.B., M.D.....627 Consolidated Realty Bldg.
Associate Professor of Surgery.

Assistant Professors

Henry W. Howard, M.D.....800 Auditorium Bldg.
Assistant Professor of Gynecology.

Ernest Bryant Hoag, A.M., M.D.....705 Fay Bldg.
Assistant Professor of Pediatrics.

John Vincent Barrow, S.B., M.D.....1207-8 Baker-Detwiler Bldg.
Assistant Professor of Medicine.

Harlan Shoemaker, A.B., M.D.....621 Marsh-Strong Bldg.
Assistant Professor of Surgery.

Charles Eaton Phillips, A.B., M.D.....527 W. Seventh St.
Assistant Professor of Surgery.

Frank James Leavitt, M.D.....159 S. Western Ave.
Assistant Professor of Medicine.

Lewis D. Remington, M.D.....Monrovia, Cal.
Assistant Professor of Diseases of the Chest.

Lecturers

Peter C. Remondino, M.D.....Fifth and Beech Sts., San Diego, Cal.
Lecturer on History of Medicine and Medical Bibliography.

H. E. MacDonald, M.D.....714 Baker-Detwiler Bldg.
Lecturer on Life Insurance Examination.

George L. Greer, A.B., LL.B.....1012-14 Hibernian Bldg.
Lecturer on Medical Jurisprudence.

A. F. Maisch, M.D.....600 Auditorium Bldg.
Lecturer on Medicine.

W. H. Kiger, M.D.....Consolidated Realty Bldg.
Lecturer on Proctology.

Arthur Stanley Granger, A.B., M.D.....705-10 Brockman Bldg.
Lecturer on Medicine.

A. J. Scott, Jr., M.D.....1015 Story Bldg.
Lecturer on Pediatrics.

Fred E. Lettice, M.D.....1018 Brockman Bldg.
Lecturer on Surgery.

Miles Guthrie Varian, M.D.....620-22 Marsh-Strong Bldg.
Lecturer on Anatomy and Instructor in Gynecology.

Otto Bames, M.D.....4328 S. Central Ave.
Lecturer on Materia Medica.

Phil Böller, A.B., M.D.....717 Hollingsworth Bldg.
Lecturer on Gynecology.

Leon Shulman, M.D.....845 S. Hill St.
Lecturer on Diseases of the Chest.

Albert Tutton Charlton, A.B., M.D.....Brockman Bldg.
Lecturer on Surgery.

L. Gorton Avery, A.B., M.D.....502 Brockman Bldg.
Lecturer on Surgery.

INSTRUCTORS

Andrew P. Wilson, M.D.....900 Los Angeles Investment Bldg.
Instructor in Surgery.

R. S. Cummings, M.D.....1002 Brockman Bldg.
Instructor in Medicine.

William B. Kern, M.D.....715 Baker-Detwiler Bldg.
Instructor in Psychiatry.

Dwight S. Moore, M.D.....1106-7 Marsh-Strong Bldg.
Instructor in Medicine.

Ross Allen Harris, M.D.....300-301 Broadway Central Bldg.
Instructor in Ophthalmology.

J. Margaret Roberts, M.D.....1229 W. 23rd St.
Instructor in Diseases of the Chest.

J. Eugene Fahy, A.B., M.D.....206 W. 10th St.
Instructor in Diseases of the Chest.

Chester Herbert Bowers, A.M., M.D. .....3122½ S. Vermont Ave.
Instructor in Pediatrics.

Robert M. Dunsmoor, M.D.....1104-6 Garland Bldg.
Instructor in Electrotherapy.

Charles F. Nelson, S.B., M.D.....732 L. A. Investment Bldg.
Instructor in Surgery.

Richard C. MacCloskey, B.S., M.D.....926 Marsh-Strong Bldg.
Instructor in Diseases of the Chest.

Robert B. Hill, M.D.....1209 Brockman Bldg.
Instructor in Medicine.

Arthur F. Godin, M.D.....800 Auditorium Bldg.
Instructor in Medicine.

William H. Gilbert, M.D.....714-725 Baker-Detwiler Bldg.
Instructor in Surgery.

G. E. Patric, M.D.....821 Baker-Detwiler Bldg.
Instructor in Diseases of the Chest.

Harry M. Brandel, M.D.....1202 Brockman Bldg.
Instructor in Pediatrics.

Adrian B. Perkey, M.D.....917 Brockman Bldg.
Instructor in Medicine.

Edgar Allen, M.D.....Auditorium Bldg.
Instructor in Obstetrics.

A. A. Blatherwick, M.D.....6100 Moneta Ave.
Instructor in Obstetrics.

Frank Crowell Bishop, M.D.....1106-7 Marsh-Strong Bldg.
Instructor in Medicine.

Louis M. Kane, A.B., M.D.....5503 Central Ave.
Instructor in Medicine.

John Mark Lacey, M.D.....County Hospital, City
Instructor in Medicine.

H. Gallagher, M.D.....726 Marsh-Strong Bldg.
Instructor in Medicine.

L. Lore Riggin, Ph.B., M.D.....42 N. Raymond Ave., Pasadena
Instructor in Surgery.

Charles Stephen Young, M.D.....627 Consolidated Realty Bldg.
Instructor in Surgery.

F. K. Collins, M.D.....508 Hollingsworth Bldg.
Instructor in Surgery.

Irvin Karsner Searle, B.S., A.M.....516 E. Washington St.
Instructor in Chemistry.

Herbert W. Cummings, B.S.....516 E. Washington St.
Instructor in Physiology.

Paul K. Sellew, M.D.....516 E. Washington St.
Instructor in Pathology.

Ray A. Carter, M.A., M.D.....2711 Central Ave.
Instructor in Materia Medica.

C. A. Smalley, M.D. ..... 505-506 Wright & Callender Bldg.
Instructor in Medicine.

C. A. Johnson, A.B., M.D. ..... County Hospital, City
Instructor in Medicine.

L. F. Luckie, M.D. ..... 404 Haas Bldg.
Instructor in Obstetrics.

A. J. Downs, M.D. ..... 713 O. T. Johnson Bldg.
Instructor in Gynecology.

Wayland A. Morrison, A.B., M.D. ..... 321 Kerckhoff Bldg.
Instructor in Surgery.

W. B. Dakin, M.D. ..... 403-4 Investment Bldg.
Instructor in Genito-Urinary Diseases.

Lyman Elanson Thayer, M.D. ..... 800 L. A. Investment Bldg.
Instructor in Obstetrics.

Herbert Augustus Rosenkranz, A.B., M.D. ..... 1024 Story Bldg.
Instructor in Genito-Urinary Diseases.

Simon H. Jesberg, M.D. ..... 807 E. 21st St.
Instructor in Diseases of Eye, Ear, Nose and Throat.

Rufus Andrew Holt, Jr., M.D. ..... California Hospital
Instructor in Therapeutics.

Forrest C. Swearingen, S.B., M.D. ..... 507-8 Auditorium Bldg.
Instructor in Therapeutics.

DEMONSTRATORS

Frank R. Webb, M.D. ..... 516 E. Washington St.
Demonstrator of Anatomy.

SUMMARY

Senior Faculty:		
The President	1	
Professors	22	
Total		23
Associate Faculty:		
Associate Professors	11	
Assistant Professors	7	
Lecturers	14	
Instructors	42	
Demonstrators	1	
Total		75
Total		98

ATTENDING STAFF—COUNTY HOSPITAL

Department of Surgery

SENIOR SURGEONS

James H. Seymour, M.D.
Orville O. Witherbee, M.D.
Charles W. Bryson, M.D.
Charles H. Whitman, M.D.
Fitch C. E. Mattison, M.D.
W. W. Richardson, M.D.
Chas. E. Phillips, M.D.
W. H. Kiger, M.D.

JUNIOR SURGEONS

W. L. Huggins, M.D.
A. P. Wilson, M.D.
H. Shoemaker, M.D.
W. H. Gilbert, M.D.
C. H. Criley, M.D.

Department of Gynecology

SENIOR SURGEON

Chas. W. Bryson, M.D.

JUNIOR SURGEONS

H. E. Southworth, M.D.
Phil Böller, M.D.

Department of Orthopedic Surgery

SENIOR SURGEON

C. E. Phillips, M.D.

JUNIOR SURGEON

F. K. Collins, M.D.

Department of Diseases of Eye

SENIOR SURGEONS

Thos. J. McCoy, M.D.
G. W. McCoy, M.D.

JUNIOR SURGEON

Simon H. Jesberg, M.D.

Department of Diseases of Ear, Nose and Throat

SENIOR SURGEON

J. J. Kyle, M.D.

JUNIOR SURGEON

Simon H. Jesberg, M.D.

Department of Genito-Urinary Diseases

W. B. Dakin, M.D.
H. A. Rosenkranz, M.D.

Department of Obstetrics

L. G. McNeile, M.D.

Department of Medicine

Frederick A. Speik, M.D.
Thompson B. Wright, M.D.
Henry Herbert, M.D.
Walter F. Wessels, M.D.
J. V. Barrow, M.D.
F. J. Leavitt, M.D.
A. F. Maisch, M.D.
R. S. Cummings, M.D.
A. S. Granger, M.D.
Harry Godin, M.D.

DEPARTMENT OF PEDIATRICS

H. Dietrich, M.D.
A. J. Scott, Jr., M.D.
C. H. Bowers, M.D.
H. M. Brandel, M.D.

DEPARTMENT OF NERVOUS AND MENTAL DISEASES

James T. Fisher, M.D.
C. C. Manger, M.D.

DEPARTMENT OF DISEASES OF THE CHEST

Charles C. Browning, M.D.

DEPARTMENT OF DERMATOLOGY

A. Davidson, M.D.

CLINICAL TEACHING STAFF—COUNTY HOSPITAL

DEPARTMENT OF SURGERY

James H. Seymour, M.D., *Chief of Department*

Orville O. Witherbee, M.D.
Charles W. Bryson, M.D.
Charles H. Whitman, M.D.
Fitch C. E. Mattison, M.D.
W. W. Richardson, M.D.
Chas. E. Phillips, M.D.
W. H. Kiger, M.D.
C. H. Criley, M.D.
W. L. Huggins, M.D.
H. Shoemaker, M. D.
A. P. Wilson, M. D.
W. H. Gilbert, M.D.
L. G. Avery, M.D.
A. T. Charlton, M.D.
L. L. Riggin, M.D.
C. S. Young, M.D.
F. K. Collins, M.D.
W. A. Morrison, M.D.

DEPARTMENT OF GYNECOLOGY

Chas. W. Bryson, M.D., *Chief of Department*

H. E. Southworth, M.D.
H. W. Howard, M.D.
Phil Böller, M.D.

DEPARTMENT OF ORTHOPEDIC SURGERY

C. E. Phillips, M.D., *Chief of Department*

F. K. Collins, M.D.

DEPARTMENT OF DISEASES OF EYE

Thos. J. McCoy, M.D., *Chief of Department*

Geo. W. McCoy, M.D.
Simon H. Jesberg, M.D.

DEPARTMENT OF DISEASES OF EAR, NOSE AND THROAT

J. J. Kyle, M.D.
Simon H. Jesberg, M.D.

DEPARTMENT OF GENITO-URINARY DISEASES

W. B. Dakin, M.D.
H. A. Rosenkranz, M.D.

DEPARTMENT OF OBSTETRICS

Lyle G. McNeile, *Chief of Department*

Edgar Allen, M.D.
A. A. Blatherwick, M.D.
Lyman E. Thayer, M.D.

Department of Medicine

Frederick A. Speik, *Chief of Department*

Thompson B. Wright, M.D.
Henry Herbert, M.D.
Walter F. Wessels, M.D.
J. V. Barrow, M.D.
F. J. Leavitt, M.D.
A. F. Maisch, M.D.
R. S. Cummings, M.D.
A. S. Granger, M.D.
Harry Godin, M.D.
D. S. Moore, M.D.
R. B. Hill, M.D.
A. B. Perkey, M.D.
F. C. Bishop, M.D.
J. M. Lacey, M.D.

Department of Pediatrics

H. Dietrich, M.D., *Chief of Department*

H. Dietrich, M.D.
E. B. Hoag, M.D.
A. J. Scott, Jr., M.D.
C. H. Bowers, M.D.
H. M. Brandel, M.D.

Department of Nervous and Mental Diseases

J. T. Fisher, M.D.
C. C. Manger, M.D.
W. B. Kern, M.D.

Department of Diseases of the Chest

C. C. Browning, M.D., *Chief of Department*

F. M. Pottenger, M.D.
L. D. Remington, M.D.
R. C. MacCloskey, M.D.
J. M. Roberts, M.D.
J. E. Fahy, M.D.
L. Shulman, M.D.
G. E. Patric, M. D.

Department of Dermatology

A. Davidson, M.D.

VISITING STAFF—WASHINGTON STREET CLINIC

(College Dispensary)

Dr. P. C. H. Pahl, *Chief of Clinic*

Medical Clinic

F. A. Speik, M.D., *Chief of Medical Department*

W. F. Wessels, M.D.
Leon Shulman, M.D.
W. B. Kern, M.D.
Chas. S. Young, M.D.
H. B. Maisch, M.D.
A. J. Saylin, M.D.

Surgical Clinic

James H. Seymour, M.D., *Chief of Surgical Department*

Orville O. Witherbee, M.D.
P. C. H. Pahl, M.D.
F. E. Lettice, M.D.
Harlan Shoemaker, M.D.
H. W. Edwards, M.D.
W. W. MacKenzie, M.D.
L. Gorton Avery, M.D.
Karl Ross, M.D.

Gynecology Clinic

Charles W. Bryson, M.D., *Chief of Gynecology, Abdominal and Clinical Surgery Department*

Frederick B. West, M.D.
W. T. Rothwell, M.D.

OBSTETRICAL CLINIC

Lyle G. McNeile, M.D., *Chief of Obstetrical Department*

CHILDREN'S CLINIC

H. Dietrich, M.D., *Chief of Pediatrics Department*

A. J. Scott, Jr., M.D. J. F. Friesen, M.D.
Katherine M. Close, M.D.

TUBERCULOSIS AND LUNG CLINIC

Charles C. Browning, M.D., *Chief of Tuberculosis Department*
Richard C. MacCloskey, M.D.

SKIN AND GENITO-URINARY CLINIC

Anstruther Davidson, M.D., *Chief of Dermatological Department*
W. B. Dakin, M.D.

EAR, NOSE AND THROAT CLINIC

William L. Zuill, M.D., *Chief of Ear, Nose and Throat Department*

John Johnson Kyle, M.D. Karl R. Sleeper, M.D .
George J. Lund, M.D. Clifton E. Gage, M.D.

EYE CLINIC

Thomas J. McCoy, M.D., *Chief of Eye Department*

George W. McCoy, M.D. R. A. Harris, M.D.

ORTHOPEDIC CLINIC

P. C. H. Pahl, *Chief of Orthopedic Department*
Karl Ross, M.D.

PROCTOLOGY CLINIC

E. J. Clemons, M.D.

NERVOUS DISEASES

James T. Fisher, M.D.

VISITING STAFF—OBSTETRICAL CLINICS

1320 Wilson St.,
2150 East Ninth St.,
and
711 Jackson St.

Lyle G. McNeile, M.D., *Chief of Clinics*

Lyle G. McNeile, M.D., *Attending Obstetrician*
Olga McNeile, M.D., *Gynecologist*
Edgar E. Allen, M.D., }
A. A. Blatherwick, M.D., } *Assistant Attending Obstetricians*
Lyman E. Thayer, M.D., }

COLLEGE OF PHYSICIANS AND SURGEONS

PART II.

FACILITIES FOR AND PLAN OF INSTRUCTION

When in 1885 the University of Southern California placed itself on record as an advocate of the higher requirements for entrance into, as well as higher and more advanced method within its Medical Department, an entirely new era was marked in medical education in California. At that time and for a long time thereafter, and even at this present time, many medical institutions, claiming a more or less high place in the list of medical schools, were not then, and are not now, we believe, keeping pace with the high ideals which should govern in this regard. The University of Southern California quick to see and to understand the necessity of placing its professional departments on a par with the higher ranking and higher rated institutions throughout the country, raised the requirements for matriculation to *one year of college work in 1914* and adhered with scrupulous steadfastness to that requirement. This college year requirement drove many students away but the high standards adopted and adhered to manifested the steadfastness of purpose on the part of the Trustees of the University to invite only those students possessing the prescribed qualifications to enter here. The advantages of the increased requirements were soon manifested by the superior work done by those matriculating, the contrast being so marked that the University Trustees decided to still further demand for matriculation a better preparation, to enable the student to grasp more readily the advanced methods of teaching medicine and surgery in vogue here, and adopted the *two years* of college preparation for matriculation in its Medical Department, beginning with the *session of 1916-17*. The concensus of opinion of medical educators of repute now is that, owing to the vast advances being made in medical and surgical science, the student must have his preliminary foundation laid more firmly, thereby broadening his viewpoint of complex problems coming up to him daily, and the time has gone by when the young man or woman with only a high school preparation can keep pace with medical teaching, as given in this school, except in extraordinary cases, as manifested in the case of the ***unusual*** student, which is the exception and not the rule. We think that the prospective student, as well as the laity in general, are coming to look upon these matters in the same light also. This school has also made a wide departure from ordinary

methods and has gone into the big medical centers and selected men of known ability and repute to head its various first and second year departments. We believe that the time has gone by when the work of the first and second years can be given by men engaged in other pursuits as well, in other words, these departments in this school are now in charge of teachers of repute, who are engaged in no other business than that of teaching and research work, as we believe that the man who carries the destiny of a great medical school as this has grown to be, must have not only the teaching desire, and a thorough preparation for his work, but he must have the teaching instinct, and above all the teaching conscience, if he would succeed as an arbiter of the destinies of his pupils. Truly, medicine as we are teaching it today carries the student not only along the beaten paths of accepted theories and facts, but leads him well into the realm of research investigation where new thoughts come to him, to broaden the scope of his mind and to teach him to look for and to grasp the new things which are so rapidly carrying medicine forward to established and proven facts, even to the seeming extreme of new discoveries. All of this calls for a better preliminary foundation on the part of the average student to enable him to grasp the hitherto unknown benefits to humanity which underlie the great and ever progressing profession of medicine. That is the reason this school is adding more full time, high grade teachers and assistants, and that is a further reason why this school, as now organized and constructed, stands without a peer among medical institutions. No expense has been spared to gather here for future work, a faculty of medical teachers and research workers equipped with the latest, the best and most approved methods and facilities for conducting the work along modern lines, and the University of Southern California asserts with pride that it has finally succeeded in selecting and bringing here for future work and future teaching, one of the strongest faculties in America. This University is determined to make Los Angeles a great medical center, and we have no part in low grade medical institutions with high grade pretentions. We maintain that the time has passed when the people, who should be and are the real arbiters of worth and merit, should tolerate low grade educational institutions and more especially low grade medical schools, for such institutions are a real menace to humanity, so why should they be tolerated; why should they be countenanced, and why allowed to exist at all? Medicine and surgery, we maintain, deals with the real life problems of today. The medical man deals with that which is most sacred to all mankind, so why should not the people demand that low grade methods cease? The way to accomplish this is for communities to place their stamp of disapproval upon so-called medical schools of easy methods, and to give freely of their approval to institutions which strive to place the best there is, and the

things worth while, at their disposal. The College of Physicians and Surgeons, Medical Department of the University of Southern California, presents the advantages of a modern and high class institution, conducted on modern and up-to-date methods, as the results of its work will show. We tolerate nothing but the best.

The government of the College of Physicians and Surgeons is vested in the Board of Trustees of the University and in the Judicial Council and Senior Faculty of the Medical Department, as provided in the articles of incorporation of the University.

ENVIRONMENT

Los Angeles is the most talked-of city in America, if not in the world, today. This fact is due to many good and sufficient reasons, too many, in fact, to mention more than a few that would have a direct bearing upon medical student surroundings here and upon the influences and advantages that contribute to the making of this city a great medical center, and the College of Physicians and Surgeons, Medical Department of the University of Southern California, a great medical school. A medical school must be advantageously located, both as to influences from without and advantage from within. The outward advantages here are the population which furnishes clinical advantages, the climatic conditions, and the moral and educational trend of this city's people. The advantages from within are the excellency of our faculty, based upon ability, loyalty to the high scholastic ideals which exist in this medical school and the determination that high ideals which exist here shall continue, and carry this school on in the steady progress of other high grade medical institutions now and in the future. Los Angeles is the metropolis of the Pacific Slope, the largest city but one west of Chicago, with over three-quarters of a million people living here, therefore it can readily be seen what this means in the way of clinical material and clinical advantages. The Los Angeles County Hospital, used for teaching and demonstrating purposes by this school, is now the second largest county hospital in America, and plans are completed and building will soon begin which will make the Los Angeles County Hospital the largest and most complete and up-to-date institution of its kind in the United States. It can readily be seen and understood what that means in the way of medical and surgical clinical material for this school. Well and truly we may say that the clinical advantages of this school are unexcelled. But that is not all. This school has other teaching clinics which bring to our faculty for demonstrating and teaching purposes, over one hundred patients a day, besides one of the most extensive and up-to-date conducted, out-patient obstetric clinic in the West. Many of our graduates have had as many as seventy-five and even one hundred

obstetric cases up to the time of their taking their medical degree. The climate of Southern California is particularly adapted to student life advantages, as here the student can spend the greater part of his time out of school hours in the open air, as it were, out of doors, in the health and strength-giving atmosphere which has so justly made Los Angeles and Southern California renowned the world over. The moral atmosphere of Los Angeles is as great, if not greater, than that of any other great city in the world, and that means much to parents or guardians sending their children to a city to take up student life, while at the same time no city in the world offers more inviting and proper places of amusement and resorts for relaxation and rest than are to be found here; in fact, Los Angeles and Southern California could not be more ideally adapted for student life.

FACILITIES FOR INSTRUCTION

The Faculty and the general teaching staff of the College of Physicians and Surgeons have been selected with scrupulous care and comprise many of the ablest teachers and leading medical men of the country. The instructors in each department have been selected upon their merits, each instructor working along his chosen line. This college lays much stress upon its laboratory equipment and the thoroughness of its laboratory courses. Two large and thoroughly equipped laboratories for the teaching of Chemistry, Pharmacodynamics and Physiology, modern laboratories for work in Pathology, Bacteriology and Histology, together with private laboratories for special and research work, all thoroughly equipped, also one of the most modern anatomical departments in the country, with ample material, make this school the pride of its founders and friends, and a worthy department of the University of which the College of Physicians and Surgeons is an integral part. But laboratory facilities and equipment alone are not sufficient for a thorough course in these departments. *Laboratories* must be manned by competent and experienced teachers and instructors, and in this college the laboratories are in charge of *full paid teachers,* noted for their ability as teachers in their respective departments. The heads of departments in the first and second years devote their entire time to their department and to research work, each having full time assistants, as it has been found that men engaged in outside pursuits cannot devote sufficient time to their departments. In conjunction with the regular courses, the heads of departments with their assistants, will conduct research along various lines. The Educational Council of the American Medical Association and the Association of American Medical Colleges, require that research work, by competent men, at the head of departments, be carried on in recognized medical colleges, and that requirement is adhered to in this institution.

COLLEGE BUILDING

Located at 516 East Washington Street, in a charming section of Los Angeles, surrounded by splendid homes and easy of access, not on the outskirts of the city, not yet too near the business center, is to be found the modern and commodious building of the COLLEGE OF PHYSICIANS AND SURGEONS. Our college building was designed, planned and erected especially for our use, and contains all of the elements of a modern and up-to-date college building. It is three-story, with basement, built of brick, with stone facings, and is practically fireproof.

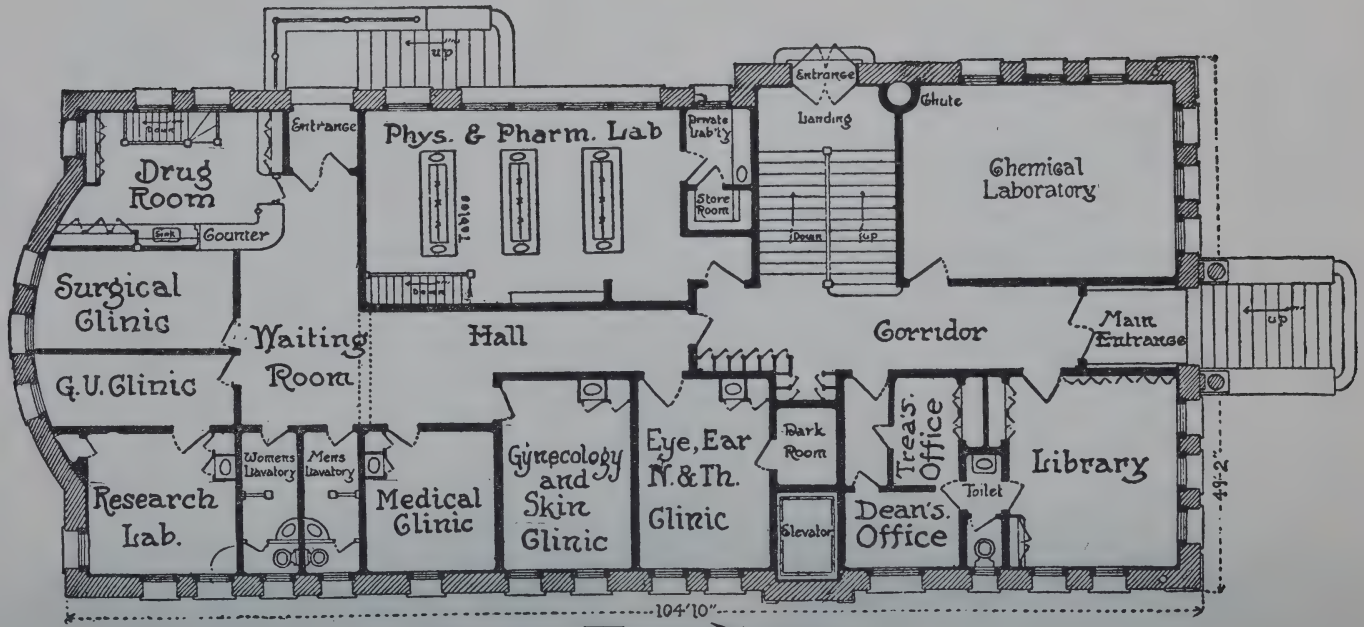
In the basement is located our instantaneous water heating system; a furnace which conveys heated air to each department, with apparatus for forcing cool and pure air into each room when needed; storage tanks for anatomical material; a receiving and preparation room for same; and shower bath for use of the students.

On the first floor is located the College offices, Library and Reading Room, Chemical laboratory, a laboratory for Physiology and Pharmacodynamics, thoroughly equipped with all modern apparatus and appliances, Clinic Rooms for each department of Medicine and Surgery, and Specialties, Operating Room, Sterilizing Room, Clinic Waiting Room, Drug Room, and a completely equipped Research Laboratory.

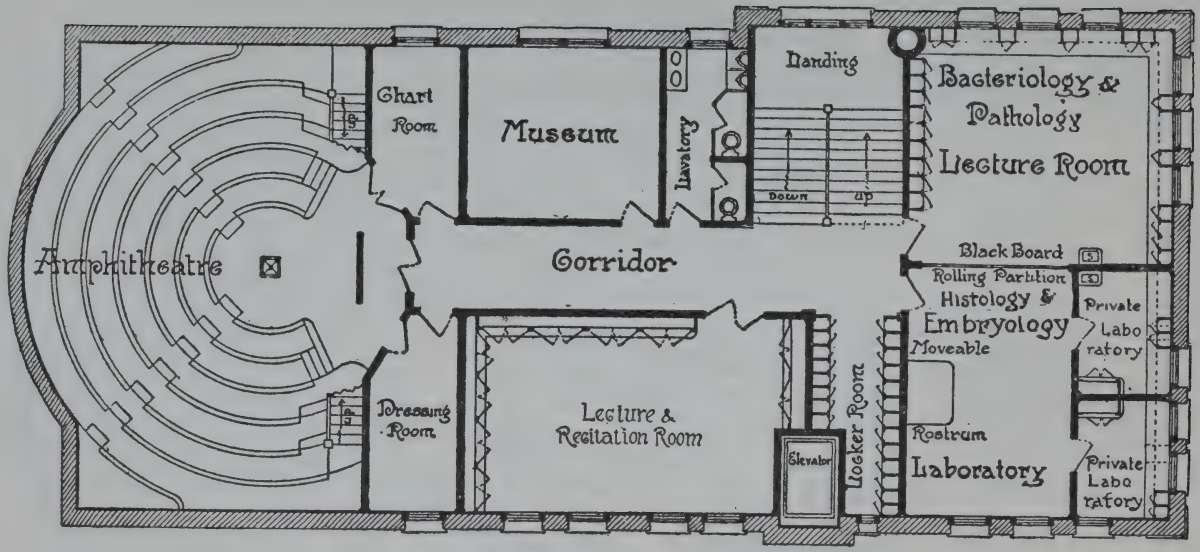
Located on the second floor are the Pathological, Bacteriological, Histological and Embryological laboratories, which have east, north and west exposures, affording an abundance of light, and are well heated and equipped with all modern appliances. Glass covered tables are arranged around the north and west exposures, and all the latest apparatus has been installed. Each student is supplied with microscope (Bausch and Lomb's), with oil immersion lens, for use when required. Private laboratories form part of the main laboratory hall, thus affording opportunity for private research. On the second floor are also located one large amphitheatre, seated with two hundred modern opera chairs; also equipped with one of the latest projectoscopes; one lecture hall seated with opera chairs; an Electro-Therapeutic room, equipped with coils, X-Ray apparatus, and all necessary appliances; a chart room, supplied with imported charts, manikins, etc., arranged for use in various illustrative and didactic work. There is to be found upon the shelves of the College Museum many rare and valuable Pathological specimens. A room on the second floor has been set apart and furnished for the exclusive use of women students in attendance in this college, and this den is sacred to them, that they may not be disturbed in whiling away time, with or without the regular grind of daily study.

On the third floor is located our Anatomical Department, and it is most complete in every detail. Opening into our main Anatomical Department, by sliding doors, is our Anatomical amphitheatre, seated with

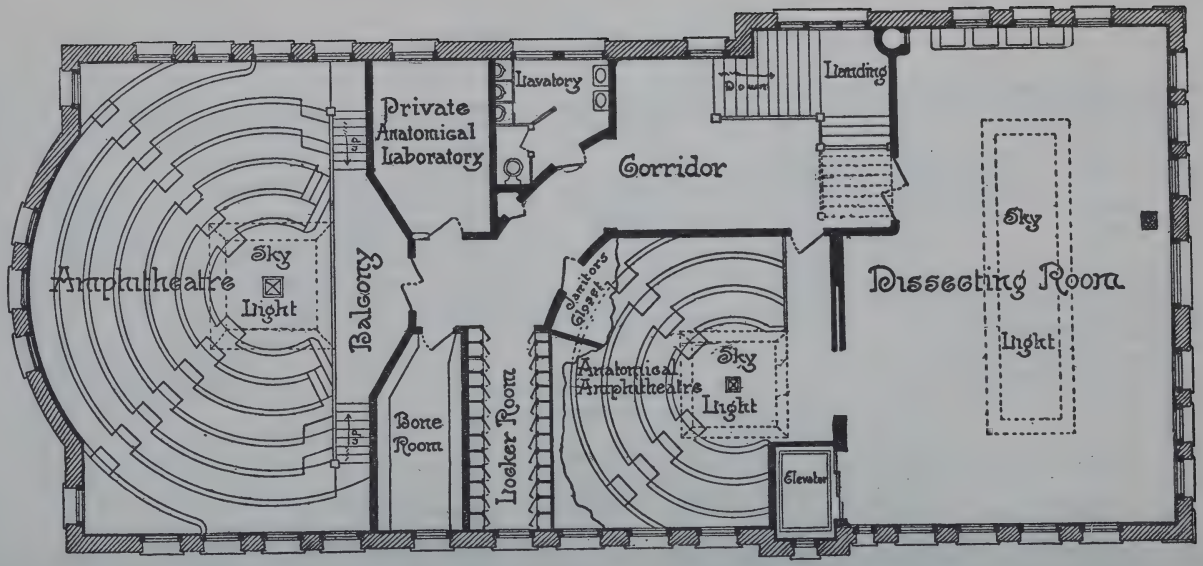
FLOOR PLAN OF COLLEGE BUILDING



PLAN OF FIRST STORY



PLAN OF SECOND STORY



PLAN OF THIRD STORY

opera chairs and arranged so that the most delicate operations and demonstrations upon the cadaver can be witnessed, a revolving table being used.

Much new apparatus is constantly being added in all departments, stereopticon illustration being one of the leading features in all departments, and, in fact, no expense is spared to most thoroughly equip this college with the latest and best paraphernalia and equipment for the teaching of modern medicine and surgery. All these features, and many more, serve to make our equipment modern and up-to-date in every detail and, at the same time, provide for the comfort and the health of our teachers and students.

LABORATORY EQUIPMENT

Division I. Anatomy, Histology and Embryology

(a) The Anatomical Laboratory is admirably adapted for the purpose of teaching practical Anatomy. The room is on the top floor of the College building and is well lighted, well ventilated, and is kept in a thoroughly sanitary condition. It is provided with every facility for giving students a detailed knowledge of Anatomical structures. A notable feature of the dissecting room is the excellent light from the roof through extensive skylights, and when sunlight fails, electricity is employed with equally good effect. In addition to abundant material for dissection, the Anatomical laboratory contains a large and very valuable collection of dissected parts, which have been especially prepared for their teaching value and not as a mere collection of rare specimens. They are displayed so that the student can acquaint himself with their anatomical importance. The lecture and demonstration amphitheatre is adjoining the dissecting laboratory, with folding doors leading into the lecture hall, thus offering additional facilities for presenting the dissected specimens to the classes during lecture and demonstration. On the same floor a thoroughly equipped bone library is situated, which consists of articulated and numerous disarticulated human bones, perfectly bleached, entirely free from fat or any offensive odor. From this bone library, lateral halves of the human skeleton, arranged in neat wooden boxes, specially provided for that purpose, are loaned to the student, free of charge, to facilitate his study at home.

Across the hall from the bone library, special private laboratories are provided for the Professor and his assistants, for research work in General Anatomy, including Histology, Embryology and Neural Anatomy.

In order to meet the needs of this laboratory no efforts were spared in the equipment of same with the most modern scientific appliances, such as dissecting microscopes, a compound microscope of the very best foreign make, a precision microtome, a rotary microtome for serial sections and a number of other indispensable instruments. In connection with this laboratory a Chart and Model Room is maintained. This consists of many

imported papier mache models of organs of the special senses, particularly brain and spinal cord, also about one hundred brush and paint anatomical charts 20x45 inches, made from actual dissections and painted by one of the best anatomical artists of the East.

A recent addition to the equipment of the Anatomical Department is a Delineascope, thus affording additional facilities to illustrate an almost unlimited amount of available material and thereby provide thorough, practical and efficient application of the subject under discussion.

(b) In addition to the complete and thoroughly equipped Anatomical Department, the Histological and Embryological Departments, which are a part of the Anatomical Section, are thoroughly equipped with all modern and up-to-date apparatus necessary for the teaching and conducting of these most important correlative branches. This department is abundantly supplied with high-grade microscopes, with Abbe condenser, diaphragm attachments and oil immersion lens, paraffin baths, the latest modern microtomes for celloidin and paraffin sections, projectoscopes, injection apparatus, charts, drawings and a vast collection of slides of tissue and organs, together with absolutely all necessary apparatus for bringing these two important departments up to the very highest state of efficiency.

Division II. Chemistry, Toxicology and Dietetics

The Chemical laboratory is well equipped with the apparatus necessary for efficient instruction. Fume chambers and ventilating hoods provide adequate means for removal of obnoxious gases. Among the special pieces of apparatus may be found a modern spectroscope, polariscope, equipment for the determination of freezing-points, Duboscq and Autenreit Colorimeters, centrifuge, and autoclave. The more general supplies, such as analytical balances, drying ovens, Kjeldahl nitrogen apparatus, glassware, iron stands, burners, etc., are adequately provided, each student being supplied individually with the smaller pieces in his own locker.

Division III. Physiology and Pharmacodynamics

These departments are especially well equipped for the work necessary in these most important subjects. Much apparatus is needed and is at hand. It would be impossible to enumerate specifically the equipment, but suffice it to say that in the Physiological Department all necessary apparatus for blood work is at hand, spectroscopes, compound microscopes, kymographs, sphygmographs, respirometers, chronograph and stimulating apparatus, coils, batteries, cylinders and rheocords, moist chambers and all accessories for nerve work; heart levers, manometers, tonometers, etc., with accessories and all necessary apparatus for the study of capillary

circulation; polariscopes, galvanometers and mercury cups for gas analytical work, thermostats and incubators, perimeters, ophthalmometers and ophthalmoscope, lenses.

Division IV. Pathology, Bacteriology and Clinical Microscopy

(a) The Pathological Laboratory is furnished with Paraffin Bath and the necessary accessories for the proper embedding of tissues, a microtome for cutting celloidin sections, and one for cutting paraffin sections, a freezing microtome, a projectoscope and charts, as well as a collection of microscopical specimens of all the ordinary pathological lesions and many of the rare conditions, which are given to the student for study.

Each student is supplied with a microscope furnished with the necessary objectives, oculars, Abbe condenser, diaphragm, etc.

In addition to this, each student is supplied with a complete set of mounting and staining materials suitable for doing first-class work in the preparation of his own specimens. In order to enable the student to do efficient work, the classes are divided into sections when necessary, so as to afford ample room and opportunity for each one to work independently of the other.

Each student must supply himself with a suitable drawing outfit and must draw the essential features of the various lesions as represented by the slides which are furnished by the Department.

The Museum, which is located on the second floor of the College building, is equipped with a large supply of specimen jars, and the gross specimens, which already include most of the pathological tissues number between one and two thousand. These specimens are catalogued by card index system, which enables the department to keep data of each specimen. The specimens are given to the students repeatedly during the course of the year to enable them to become familiar with the naked-eye appearance of gross pathological lesions.

(b) In the Bacteriological Department, the equipment is ample to permit two students to work in pairs independent of the remainder of the class, in the preparation of culture media, staining fluids, etc., while for the sterilization of glass-ware and of the finished media, one hot air oven is supplied to each group of five students, and one autoclave and one Koch's serum oven for each group of twenty-five students.

Each group of two students is supplied with boilers, burettes for accurate trituration and adjustment of the reaction of the media, glass funnels with filter paper and cheesecloth, test paper, cork borers, scales, and materials for making the ordinary culture media, as bouillon, gelatin, agar, milk, potatoes and blood serum.

Each student is individually supplied with an ample number of culture

tubes, Petri dishes, flasks, cleaning brushes, fermentation tubes, platinum wires, plain and hollow ground slides, staining fluids and mounting materials.

The department has an ice chest for preserving media and certain cultures, an incubator, electric centrifuge, Novi jars for anaerobic bacteria, animal holders to facilitate inoculation, etc.

In the preparation of culture media the students work in the laboratory on the first floor, where at present our facilities in the way of gas, water, and desk room are greater than in the laboratory on the second floor; the latter laboratory is well lighted and has ample desk room and seating capacity, and is used by the students in class work, viz., in inoculation of media, study of biological characteristics and microscopical appearances, each student being provided with a microscope. This room is also supplied with lockers, in which the student keeps such cultures as do not require the incubator. The incubator is also located in this room, to which the student can have access as often as is necessary to enable him to note the rate of growth and other characteristics of the cultures.

CLINICAL FACILITIES

COUNTY HOSPITAL CLINIC

The Los Angeles County Hospital, the most extensive, modern and up-to-date county charity institution in the West, with one thousand two hundred and fifty beds, detention wards for the insane, modern medical, surgical and contagious wards and departments, where all manner of surgical and medical cases may be studied and observed, offers rare and ample opportunities for the study of not only the ordinary diseases and conditions usually met with in other large hospitals, but also rare tropical and semi-tropical diseases that drift into Los Angeles through our seaport, the gateway of entrance from Panama, Hawaii, the Philippines, etc., the study of the diseases indigenous to which is most necessary at this time. Many interesting cases are met with daily, which afford unusual opportunities for research, and it is the policy of the clinical and laboratory staffs in this college to foster and assist students along these lines of work. The advantages to the student here consist not merely in his walking through the wards, observing patients, with an occasional opportunity to examine, but the Senior and Junior classes are divided into sections and these sections of two and three students are allotted cases each week and are required to examine and diagnose by the latest and best known laboratory and clinical tests, write histories covering the etiological factors of each disease and outline the treatment and management of given cases throughout the different stages. This does not, however, end the student's interest in the case, which must be followed to convalescence or to autopsy, in which event, the

LOS ANGELES COUNTY HOSPITAL—FRONT VIEW

LOS ANGELES COUNTY HOSPITAL—REAR VIEW

pathological findings are recorded and reported upon by the section in charge of the case, the efficiency, or otherwise, of work thus done being noted.

The opportunities for the study and observation of acute Surgery are abundant, many cases being sent in from the City Hospital after first aid is given, and hundreds of cases being taken direct to the hospital for first aid and subsequent treatment. The Ambulatory Surgical clinic is unexcelled, and the Detention Wards afford a rich field for the study of the various forms of neurotic cases and conditions. Students in this college are required to serve their time in each and all of the various departments of this hospital, which offer so rich a field for clinical experience.

Washington Street Clinic

(College Dispensary)

From 1 to 3 p. m. each day, excepting Sundays and holidays, the College Dispensary is open to the needy poor. The Dispensary Staff of the college, composed of over thirty carefully selected professional men and women, give their very best services to those applying for treatment, and, as the College of Physicians and Surgeons is located in a decidedly well-to-do neighborhood, therefore the clinics in this institution are of a decidedly high order, capable of giving a complete case history, which enables the teacher and student to carefully study each case in detail and note from time to time the effect of therapeutic measures. Material coming to this clinic is ample and of splendid quality. More than fifty patients apply daily for treatment in the various departments of this clinic, and the number is steadily increasing.

A registered pharmacist is in charge of the prescription department and students are rotated in sections through this department and have practical experience under the direct instruction of the pharmacist in charge. Prescriptions are compounded as the attending physician orders, no stock formulas being permitted.

Out-Patient Clinic

The Out-Patient Clinic available is extensive. The population of the city of Los Angeles has a large foreign and floating element, which contribute largely to our clinics in all departments. Our clinics draw materially, though not wholly by any means, from this available material and our Out-Patient Clinic, Obstetrical and General, is made abundant by conditions always existing in a city of over a half million population. The clinics maintain a well regulated system of assigning students from the upper classes to this out-patient service, of which complete record is kept and control maintained, the Obstetrical service being especially abundant.

Maternity Dispensary

The central headquarters for obstetrical clinics are known as the Maternity Dispensary and are located at 1320 Wilson St., in the heart of the most thickly populated district of Los Angeles. During the Senior year, students are assigned in rotation to the Dispensary, where they remain in residence for two weeks. While in residence students are provided with comfortable living and sleeping quarters. Obstetrical material is abundant, and during his service each student conducts at least twelve labors, under rigid supervision, and witnesses from twenty to fifty labors in all the clinics of the Dispensary, County Hospital and allied institutions.

Ninth Street Dispensary

(Obstetrical Clinic)

The Ninth Street Dispensary, located at the Neighborhood House Settlement, 2150 East Ninth St., is open on Friday mornings from 9 to 12 o'clock. At this clinic the student personally examines each patient and is given accurate instruction in obstetrical care and examinations before and after delivery.

Jackson Street Dispensary

(Obstetrical Clinic)

The Jackson Street Dispensary, located at the Brownson House Settlement, 711 Jackson St., is open on Tuesday mornings from 9 to 12 o'clock. At this clinic the student personally examines each patient and is given accurate instruction in obstetrical care and examinations before and after delivery.

The three dispensaries above mentioned handle annually about 1500 obstetrical patients. Special attention is given to accurate obstetrical history writing, the student's findings being recorded on the standard obstetrical history sheets especially prepared for this department.

LIBRARY FACILITIES

The College Library and Reading Room is located on the first floor and occupies a spacious, well-lighted, heated and ventilated room, with east and north frontage, furnished with three large library tables, around which students gather, and with comfortable arm reading chairs placed around the room in sufficient numbers to accommodate as many students as desire to avail themselves of this splendid advantage. About two thousand medical volumes, many of them the latest modern text and reference books, are on the library shelves, and over eighty up-to-date

(and many of them the leading) medical periodicals come regularly to our library table. The library is under the control of a librarian and the Dewey library system of receiving, marking, listing and distributing is maintained.

The College of Physicians and Surgeons being an integral part of the University of Southern California, our students have free access to the University library, containing over *seventeen thousand volumes*, covering the entire range of literary and scientific subjects. The Barlow Medical Library, containing about four thousand volumes, donated to the medical profession of Southern California, is available to the students of this College. The Los Angeles County Hospital also has a good medical library, to which our students have access.

A very important feature of our library facilities is the large number of current medical journals from throughout the country coming regularly to our library tables, which enables the upper class students to keep in touch with current medical topics. The women members of the various classes have their separate reading room, splendidly furnished and equipped.

PART III.

REQUIREMENTS FOR MATRICULATION, ADVANCED STANDING AND GRADUATION

REQUIREMENTS

Requirements for Freshman Matriculation

Session of 1916-17

In accordance with the general advance in medical and surgical teaching and the necessary pre-medical training, the following requirements for entrance to the Freshman class have been established. Beginning with the 1916-17 session this College matriculates freshman students only on the following standard:

A certificate from the Credential Committee of the University of Southern California, covering Requirements I. and II., as mentioned below: (Applicants for matriculation are requested to present their credentials to the Registrar of the University, Prof. J. H. Montgomery, Thirty-fifth Street and University Avenue, Los Angeles. After securing entrance certificate, applicants are requested to matriculate at the Dean's office, 810 Citizens' National Bank Building, as early as possible. No student will be matriculated after September 15th.)

Requirement No. I

A diploma and transcript of record from a fully accredited high school,[1] normal school, or academy, requiring for admission evidence of the completion of a standard course in primary and intermediate grades, and for graduation the completion of a standard high school course embracing the fourteen units mentioned below; or an examination[2] in the following

[1]The term "accredited" as applied to high schools, academies, colleges, and universities means institutions of those types that have been investigated and are accredited by the State University of their respective states, or by the North Central Association of Colleges and Secondary Schools, the Association of College and Preparatory Schools of the Middle States and Maryland, the New England College Entrance Certificate Board, or the Association of American Universities.

[2]This examination must be conducted by and under the authority of the Board of Medical Examiners of the state in which the college is located, or by a duly authorized examiner of the College Entrance Examination Board, or by the authorized examiner of an accredited university, state or otherwise, or by an examiner whose certificates are accepted by accredited colleges or universities, or by a method approved by the Judicial Council of the Association of American Medical Colleges. The Credential Committee of the University of Southern California was appointed pointed by the Board of Medical Examiners of the State of California to pass upon and evaluate preliminary credentials of medical students in the southern part of this state.

branches, totaling fourteen units,[3] to be made up of *seven required* and *seven elective* units as prescribed in the following table:

	Required Units	Elective Units	Total Units
ENGLISH—			
Reading and Practice	2	.....	2
Study and Practice	....	1	1
MATHEMATICS—			
Algebra to Quadratics	1	.....	1
Algebra (quadratic equations, the binominal theorem and the progressions)	....	½	½
Plane Geometry	1	.....	1
Solid Geometry	....	½	½
Trigonometry	....	½	½
LATIN—			
Grammar and Composition	....	1	1
Caesar	....	1	1
Cicero	....	1	1
Virgil	....	1	1
Cornelius Nepos	....	1	1
GREEK—			
Grammar and Composition	....	1	1
Xenophon	....	1	1
Homer	....	1	1
GERMAN OR FRENCH[4]—			
Elementary	2	.....	2
Intermediate	....	1	1
SPANISH—			
Elementary	....	2	2
SCANDINAVIAN—			
Elementary	....	2	2

[3]A unit is the credit value of at least 36 weeks' work of 4 or 5 recitation periods per week, each recitation period to be of not less than 40 minutes. In other words, a unit represents a year's study in any subject in a secondary school constituting approximately a quarter of a full year's work. A satisfactory year's work in any subject cannot be accomplished under ordinary circumstances in less than 120 sixty-minute hours, or their equivalent.

[4]Two units of Greek or Latin may be substituted for the two required units of French or German. But this will necessitate extra work in French or German in the college year. See note 7.

HISTORY—			
American History and Civil Government	1	.....	1
Greek and Roman History	....	1	1
Medieval and Modern History	....	1	1
English History	....	1	1
SCIENCE[5]—			
Biology	....	1	1
(Or Botany and Zoology, each)	....	1	1
Chemistry	....	1	1
Physics	....	1	1
Physiography	....	½	½
Physiology	....	½	½
Agriculture	....	1	1
Drawing	....	1	1
Manual Training	....	1	1
Domestic Science	....	1	1
Music (Appreciation or Harmony)	....	1	1
Total	7	28½	35½

REQUIREMENT NO. II.

In addition to the above prescribed college preparatory units, *two full year's* work in the College of Liberal Arts of the University of Southern California, or other approved colleges or universities, including *one year's work of college grade*[6] in Physics, Chemistry, Biology, and German (or French), as indicated[7] in the following schedule:

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[5]It will be greatly to the student's advantage to include Biology, Chemistry, and Physics among his elective units. See note 7. Credentials of each science course must include evidence of laboratory work.

[6]The work of this preliminary college year must extend through one college session of at least thirty-two weeks of actual instruction, including final examinations. In excellence of teaching and in content, the work of this preliminary college year must be equal to the work done in the Freshman year in standard colleges and universities.

[7]The statement of units and of hours of recitations as given in the lists presupposes that in each case one unit of preparatory work in that subject (two units in the case of German and French) has been offered for entrance to the college course in question. If in the case of any subject except Physics (see note 9) this preparatory work has not been done, the deficiency must be made up in full during the course of the college year prior to matriculation in the College of Physicians and Surgeons.

(a) Requirements first year's pre-medical college work:

	Lectures or Recitations per week	Laboratory[8] Periods per week	Total Hours per Semester	Total Semester Hours per year
Physics[9]	2	2	4	8
Chemistry	2	2	4	8
Biology	2 or 3	2 or 1	4	8
German or French	4 or 3		4 or 3	8 or 6
Totals	10	6 or 5	16 or 15	32 or 30

The foregoing table may be expressed in class hours as follows:

	Total Hrs. Lectures or Recitations	Total Hours Laboratory Work	Total Minimum Hrs. Didactic and Laboratory
Physics[9]	64	128	192
Chemistry	64	128	192
Biology	64 or 96	128 or 64	192 or 160
German or French	128 or 96		128 or 96
Totals	320	384 or 320	704 or 640

(b) Requirements for second year pre-medical college work: Thirty elective units to complete the two full years' work.

COURSE OF STUDY

Each student is required to be in attendance not later than ten days after the opening of each session and to attend at least eighty per cent of all exercises in every annual course of study, for which he seeks credit. No student shall be given credit on examination unless he shall have attained a grade of at least seventy-five per cent or its equivalent in any other marking system, and no student shall be graduated unless he shall have attained a passing grade on examination of at least eighty per cent in each and all subjects taught and examined upon in this college.

The curriculum of study in this college is divided in a manner that enables the student to complete his minors, together with the majority of the laboratory courses, during the Freshman and Sophomore years, thus enabling the Junior and Senior students to avail themselves of the vast didactic, recitative and clinical work, which compose the last two years of the course in this institution.

[8]Each laboratory period must extend over at least two hours.
[9]For the one-year Physics requirement, may be substituted one unit of high school Physics and a half-year of college Physics, which continues, and does not duplicate, the work done in high school.

The carrying and removal of conditions in all cases will be governed by the rules and regulations promulgated from time to time by the Association of American Medical Colleges and in conformity to the State Law of California. When not conflicting with these rules and regulations, it will be necessary in order that a student may advance from one grade to the succeeding or higher grade, that he pass at least all but two of the required examinations in the branches or subjects taught in that year, except passing from the Junior to the Senior year. Should he fail to pass the examinations at the beginning of the succeeding session, in the subjects in which he has been conditioned, as stated above, he may enter that class as a conditioned student for that one session only, and if he does not remove said conditions by the end of the session, he must repeat the work of the year imposing such conditions.

No student can, therefore, become a conditioned or an unconditioned member of the Sophomore class unless he has at least passed all but two of the required Freshman year examinations when that year closes; nor of the Junior class unless he shall have passed the Freshman year examinations and, in addition, at least all but two of the Sophomore year examinations at the close of that year; nor of the Senior class unless he shall have passed all of the Freshman, Sophomore and Junior year examinations. This college does not permit the carrying of conditions into the Senior year.

This college reserves the right to refuse admission to any student or to terminate the attendance of any student, at any time for what may appear to the Dean and Judicial Council to be good and sufficient cause, as inefficiency, conduct unbecoming a gentleman, or conduct not conducive to the morale of the class or institution; also, to refuse a student the privilege of any special or final examination, for causes, as above stated.

Students will not be permitted to substitute private work in any branch for the regular college work prescribed in our curriculum, except under the direct supervision of an instructor designated or appointed by the Dean. Examinations will be conducted in such work done by the Professor to whose department it belongs; no markings nor credits from private instructors will be recognized by this college.

A student entering this college is not only supposed to, but will be required to conform to all rules and regulations of the college as promulgated from time to time by the Dean.

A student who is under suspension or expulsion from an accredited medical college, will not be matriculated in this institution without the written consent of the college imposing such.

A student defacing or injuring the property of this college will be required to make due reparation for same.

ADVANCED STANDING

This college does not grant time credit to students holding a baccalaureate degree or a degree in Pharmacy or Dentistry, nor for time spent in any other than a regular recognized College of Medicine and Surgery, whose curriculum and course meet the requirements of the Association of American Medical Colleges; but we may grant the student subject credit for work done, providing, of course, satisfactory evidence of such work having been done is furnished; thereupon the student may avail himself of equivalent electives.

A student who has previously matriculated with and has spent time in another accredited medical college, recognized as such by this institution, will be required to present to the Dean of this college a statement from the Dean of the college he has attended, stating that he has paid all dues and fees due said college, that he is free from all charges or demerits of whatever nature, and that he has satisfactorily completed the course of study prescribed by the curriculum of said college; and provided that the entrance requirements of the college from which he presents his credentials were equivalent to those of the Association of American Medical Colleges at that time, and the course of study provided and set forth in each student year was equivalent to the requirements of this school; and provided, further, that the Judicial Council are satisfied with his credits and markings, taking into consideration his general average, which will include his percentage of attendance upon all lectures, recitations, laboratory work and clinics, then the student may enter upon his work in the succeeding grade, but before advanced standing will be granted him the Dean of this college will verify the student's credentials, and if found complete and satisfactory, credit for the work will be entered upon the records of this college; but such advancement will not exempt the student from the final examination requirements exacted of all students applying for a degree from this college.

A student presenting credentials and credits from another medical college, recognized by this college, should bear in mind the fact that such credentials must show that the credits were received in the regular way, and in the regular course of instruction; that said course must have been regular and in accordance with the requirements of the Association of American Medical Colleges, the California State Law and the Board of Medical Examiners of the State of California. No credit whatever will be allowed for time not actually spent in a regular recognized medical college.

A student who has attended one or more courses in an otherwise reputable medical college, but whose entrance requirements are not now equivalent to those of this institution, notwithstanding he may meet our class examination requirements, will not be granted advanced standing, unless the preliminary qualifications of said student were equivalent to the re-

quirements of this college at the date of his matriculation with the college from which he comes.

Graduates of medical colleges, whose requirements were equivalent to those prescribed by the Association of American Medical Colleges, and whose credentials are recognized by the Board of Medical Examiners of the State of California, will be admitted to the Senior class without examination, provided, however, that the curriculum of study of the aforesaid college covered three full years, and provided also that the requirements for matriculation were equivalent to the requirements of the Association of American Medical Colleges at the time of his matriculation. Should, however, the college from which the applicant graduated have only prescribed and required at the time of his graduation a two years' course, the applicant will be matriculated in the Junior year and be required to pursue the course outlined in our Junior year schedule, provided that the matriculant is working for a degree from this school, but not otherwise. Juniors and Seniors of this college are required to attend at least eighty per cent of all clinics throughout the Junior and Senior years.

To graduates and students of reputable colleges of Homeopathic or Eclectic Medicine will be granted time credits for as many years as they attended those colleges, provided they have met the previous requirements of the Association of American Medical Colleges, and they pass an examination in Materia Medica and Therapeutics, as prescribed by this college. All students admitted to advanced standing must show credentials of having passed regular examination in the branches taken in the year preceding the one they desire to enter, or pass such examination in this college.

REQUIREMENTS FOR GRADUATION

The applicant for the degree of Doctor of Medicine must have fulfilled all the requirements, as set forth in this announcement, and other additional requirements that may be promulgated from time to time by this college.

1st. He must have attained the age of 21 years and bear a good moral character.

2nd. He must notify the Dean on or before the first day of April of the College year, in writing, of his intention to apply for, and to take the final examinations of this college; said application must be accompanied by the examination fee of Twenty-five Dollars, all previous college fees having been paid.

3rd. He must have previously met all the matriculation requirements of this college, must have attended at least four full courses of lectures, recitations, laboratory work, and clinics, in an accredited medical college, whose requirements are equal to those prescribed by this college, no two

courses having been done in the same year, the last course of which must have been in this college. If the student has attended courses in another medical college, recognized by this institution, he must satisfy the Judicial Council, through the Dean, regarding his standing and his proficiency in the branches completed, either by examination or otherwise as the Judicial Council may elect.

4th. He must have completed the required courses in all the departments of the college, and his percentage of attendance must be at least eighty per cent in all departments, and his percentage of proficiency on examination must not be less than eighty per cent in all the branches indicated in our curriculum.

5th. He must be present at the time and place scheduled by the Dean for final examinations, and his absence from an examination in a given department will indicate failure in that department, and will be entered as such against the student.

6th. He must undergo a written final examination, or both written and oral, if required, in all departments; each paper must be written in English; and penmanship, orthography, punctuation, general style and characteristics of each paper will be considered.

7th. He must be free from demerit marks, must have discharged all conditions in each and every department and must be present at the Commencement Exercises, unless excused in writing by the Dean.

COMBINED SEVEN-YEAR COURSE FOR DEGREE OF A.B. AND M.D.

Students who have matriculated in the College of Liberal Arts of the University and who plan to study medicine, may so combine the four-year course for the A.B. degree with the four-year course for the M.D. degree as to take both degrees in seven years.

COMBINED COURSE FOR DEGREE OF A.M. AND M.D.

Students holding the A.B. degree from recognized colleges and who enter the Freshman class of the College of Physicians and Surgeons, may matriculate at the Graduate School of the University, thus becoming candidates for the A.M. degree. Registration at the Graduate School may be made at any time before the opening of the Junior year. The candidate pursues advanced study along some special line and submits a thesis embodying original research. The degree of Master of Arts is given to the candidate upon the completion of the requirements for the advanced degree.

SUMMER TERM, 1917

Beginning on June 18, 1917, this school will give a summer course of twelve weeks' duration. This summer term will be available to students of medicine and to graduates in medicine and surgery who may desire to avail themselves of these advantages. No student will be eligible for this summer course unless he or she is able to meet our matriculation requirements; in other words, this course is only open to regular students of medicine and surgery and to graduates of recognized medical institutions. The advantages offered in this summer course are of the very highest grade and will enable the student to take up and carry on uncompleted work in the various departments. Subject, but not time credits, will be given for work done in the summer course in this school.

Application for registration in this course must be made sufficient time in advance of the opening of the summer course to enable the arranging of the work in the various departments. It will be seen that this course offers opportunities to practitioners to do work along special lines, while undergraduates attending this course may be given subject credits for work done either toward making up any subject in which their course is deficient, or as a credit toward the work of the following session, providing full time credit is shown. This does not apply to the work of the Junior or Senior years. Undergraduates will find this course particularly helpful in affording extra time and facilities for completing the work of the regular term schedule.

Fees for the Summer Course

Registration fee ..... $ 5.00
(Students previously matriculated with this school, exempt from this fee.)

Undergraduate Course, each course taken 25.00

Laboratory deposit 10.00
Required in laboratory branches, to cover breakage. Unused portion will be returned.

Dissection material per part 5.00

Students are required to register at the Dean's Office, 810 Citizens National Bank Building, and obtain card admitting to various departments. Address all communications to the Dean.

SUMMER COURSE

Anatomy

A course in Dissection will be given providing six students enroll for the course.

Physiology

Course 1. General Descriptive Physiology.

This course embodies a brief review of the entire Subject of Human Physiology.

Whole Course 11 to 12 a. m., five days a week.

Course 2. Physiology of the Nervous System.

Lectures in this course include discussion of the functions of the nervous system and elaboration of the recent theories on reflex action.

Half Course, 10 to 11 a. m., five days a week.

Course 3. Physiology of the Circulatory and Respiratory Systems.

Half Course, 10 to 11 a. m., five days a week.

Chemistry

Course 1. General Biological Chemistry.

A study of the applications of the principles of Chemistry to the reactions of the human body, including digestion, absorption, assimilation and excretion.

Whole course, 9 to 10 a. m., five days a week.

PART IV.

GENERAL INFORMATION

College Fees

	Freshman Year	Sophomore Year	Junior Year	Senior Year
Matriculation Fee (paid but once, at time of matriculation)	$ 5.00	.....	.....	.....
Registration Fee (required of each student on signing the registration roll. This does not apply to students in their matriculation year, the matriculation fee covering this charge)	.....	$ 2.00	$ 2.00	$ 2.00
Tuition Fee (payable in advance) each year	200.00	200.00	200.00	200.00
Final Examination Fee	.....	.....	.....	25.00
Rental of Microscope, charged each year, for its use in the laboratories, to students not furnishing their own microscopes	5.00	5.00	.....	.....
Breakage Deposit is required of all students of first and second years, to cover breakage and damage to buildings and equipment. Unexpended balance will be refunded at the close of the year	10.00	10.00	.....	.....
	$220.00	$217.00	$202.00	$227.00
County Hospital Ticket (Junior and Senior years only. Payable at the County Hospital). This ticket entitles the holder to clinical privileges in the County Hospital and applies to all students in attendance there	.....	.....	5.00	5.00

These fees are payable in advance each year. If not paid within four weeks of the beginning of the course, the right to attend lectures may be forfeited, and no student will be permitted to take an examination and receive credit therefor to apply on advanced standing, who is in arrears for fees.

ONE OF THE AMPHITHEATRES AND LECTURE ROOMS DURING EXAMINATION

Expense of Living in Los Angeles

The student can live in Los Angeles as in other large cities, moderately or extravagantly, according to his means or his habits of life. Good room and board near the college may be had for $25.00 per month.

Registration

Applicants for matriculation are required to register at the Dean's office, 810 Citizens National Bank Building, Fifth and Spring Streets, and secure matriculation card. (See Page 32.)

Students are required to register *each year* at the Dean's office, *not later than ten days after the opening of the session.*

Prizes to be Awarded, Session 1916-17

The Faculty will give a prize to the member of the Freshman Class who obtains the highest general average in the final examinations upon the studies of that year.

The Faculty will give a prize to the member of the Sophomore Class who obtains the highest general average in the final examinations upon the studies of that year.

The Faculty will give a prize to the member of the Junior Class who obtains the highest general average in the final examinations upon the studies of that year.

The Faculty will give a prize to the member of the Senior Class who obtains the highest general average in the final examinations upon the studies of that year.

Surgery Prize

Professor James H. Seymour will give a prize to the member of the Senior Class who obtains the highest general average throughout the year in the department of Surgery. Attendance, class and clinic work, general deportment and efficiency will count in the awarding of this prize.

Gynecology and Abdominal Surgery Prize

Professor Charles W. Bryson will give a prize to the member of the Senior Class who obtains the highest general average throughout the year in the department of Gynecology and Abdominal Surgery. Attendance, class and clinic work, general deportment and efficiency will count in the awarding of this prize.

Hospital Positions

Interneships and appointments in hospitals in this city and throughout the country are available to graduates from this college; in fact, in the past we have been unable to fill the positions open to appointments.

Places of Association, Recreation and Amusement

The students of medicine in this college, as in other medical institutions throughout the country, come from the various walks of life. By this we mean environmental influences; therefore, each seeks for himself a continuation or renewal of those environments which have shapened his habits and moulded his methods of life, as it were. This city affords, in abundance, opportunities for individual gratifications. Churches of all creeds and denominations are here in plenty, the Y. M. C. A. is strong and influential and extends a cordial welcome to young men who seek the refining influences of this splendid association. The Y. W. C. A., working along the same lines, is ever ready and anxious to serve the young woman who may wish to have thrown about her a Christian influence and a friendship that does much to assist, to shield and to protect. Then, on the other hand, we have clubs, social and political; lodges and societies of all kinds; high class theaters and places of amusement; and, in fact, all things that serve to relieve the student mind at times from the strain and grind of college work, all of which are necessary and right, when properly indulged in.

How to Reach the College

Take Maple Avenue or San Pedro Street cars, going south, to Washington Street.

Further Information

Upon arrival in the city, go directly to the office of the Dean, Dr. Charles W. Bryson, 808-815 Citizens National Bank Building, Fifth and Spring Streets, make known your wishes and present your credentials. You will receive the most courteous treatment, and full information will be given you on all subjects pertaining to the college, either by the Dean in person or his secretary. The Clerk of the College will be instructed to assist you in selecting suitable quarters, and each member of the Faculty, as well as many students of the school, will endeavor to make you feel at home. The term opens promptly on the 5th of September in all departments, and there is no waste of time until Commencement Day, the 7th of June.

Address all communications relative to college matters, applications for catalogues, etc., etc., to the Dean.

DR. CHARLES W. BRYSON,
808-815 Citizens National Bank Building.
Los Angeles, California.

PART V.

SCHEDULES OF STUDY

PART V.—SCHEDULES OF STUDY

The right is reserved by the Judicial Council to make any changes deemed necessary at any time in the schedules of study, either before the opening of the college session or during the session, the issuing, or posting of a schedule or other notice of changes, by the Dean, sufficing.

Freshman Year Schedule for Session 1916-17. First Semester

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
A. M. 9-10	Histology Lecture Prof. White	Elementary Chemistry Lecture Prof. Hammett	Elementary Chemistry Lecture Prof. Hammett	Histology Lecture Prof. White	Elementary Chemistry Lecture Prof. Hammett	Bio-Chemistry Lecture Prof. Hammett
10-12	Histology Laboratory Prof. White	Toxicology Laboratory Prof. Hammett	Toxicology Laboratory Prof. Hammett	Histology Laboratory Prof. White	Toxicology Laboratory Prof. Hammett	Bio-Chemistry Laboratory Prof. Hammett
P. M. 1-2	Anatomy Lecture Prof. White	Physiology Lecture Prof. Bush	Anatomy Lecture Prof. White	Physiology Lecture Prof. Bush	Anatomy Lecture Prof. White	
2-3	Anatomy Laboratory Prof. White	Physiology Laboratory Prof. Bush	Anatomy Laboratory Prof. White	Physiology Laboratory Prof. Bush	Anatomy Laboratory Prof. White	
3-4						
4-5	Physiology Quiz Prof. Bush		Elementary Chemistry Quiz Prof. Hammett		Toxicology Laboratory Quiz Prof. Hammett	

Freshman Year Schedule for Session 1916-17. Second Semester.

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
A. M. 9-10	Embryology Lecture Prof. White	Histology Lecture Prof. White	Anatomy Lecture Prof. White	Embryology Lecture Prof. White	Anatomy Lecture Prof. White	Bio-Chemistry Lecture Prof. Hammett
10-12	Embryology Laboratory Prof. White	Histology Laboratory Prof. White	Anatomy Laboratory Prof. White	Embryology Laboratory Prof. White	Anatomy Laboratory Prof. White	Bio-Chemistry Laboratory Prof. Hammett
P. M. 1-2	Bio-Chemistry Lecture Prof. Hammett	Physiology Lecture Prof. Bush	Bio-Chemistry Lecture Prof. Hammett	Physiology Lecture Prof. Bush	Bio-Chemistry Lecture Prof. Hammett	
2-3	Bio-Chemistry Laboratory Prof. Hammett	Physiology Laboratory Prof. Bush	Anatomy Laboratory Prof. White	Physiology Laboratory Prof. Bush	Bio-Chemistry Laboratory Prof. Hammett	
3-4						
4-5	Materia Medica Lecture Dr. Carter		Materia Medica Lecture Dr. Carter			

Sophomore Year Schedule for Session 1916-17. First Semester.

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
A. M. 9-10	Pharmacodynamics Lecture Prof. Bush	Anatomy Lecture Prof. White	Anatomy Lecture Prof. White	Pharmacodynamics Lecture Prof. Bush	Anatomy Lecture Prof. White	Anatomy Lecture Prof. White
10-12	Pharmacodynamics Laboratory Prof. Bush	Anatomy Laboratory Prof. White	Anatomy Laboratory Prof. White	Pharmacodynamics Laboratory Prof. Bush	Anatomy Laboratory Prof. White	Anatomy Laboratory Prof. White
P. M. 1-2	Pathology Lecture Prof. Glenn	Bacteriology Lecture Prof. Glenn	Pathology Lecture Prof. Glenn	Bacteriology Lecture Prof. Glenn	Pathology Quiz Prof. Glenn	
2-3	Pathology Laboratory Prof. Glenn	Bacteriology Laboratory Prof. Glenn	Pathology Laboratory Prof. Glenn	Bacteriology Laboratory Prof. Glenn	Bacteriology Quiz Prof. Glenn	
3-4					Pharmacodynamics Quiz Prof. Bush	
4-5	Materia Medica Lecture Dr. Bames		Materia Medica Lecture Dr. Kane		Materia Medica Lecture Dr. Bames	

Sophomore Year Schedule for Session 1916-17. Second Semester.

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
A. M. 9-10	Pathology Lecture Prof. Glenn	Physiology Lecture Prof. Bush	Pathology Lecture Prof. Glenn	Physiology Lecture Prof. Bush	Pathology Lecture Prof. Glenn	Anatomy Lecture Prof. White
10-11	Pathology Quiz Prof. Glenn	Physiology Laboratory Prof. Bush	Pathology Laboratory Prof. Glenn	Physiology Laboratory Prof. Bush	Pathology Laboratory Prof. Glenn	Anatomy Laboratory Prof. White
11-12	Chemistry Quiz Prof. Hammett					
P. M. 1-2		Anatomy C. N. S. Lecture Prof. White		Histology C. N. S. Prof. White		
2-3	Pathology Laboratory Prof. Glenn	Anatomy C. N. S. Laboratory Prof. White	Bio-Chemistry Laboratory Prof. Hammett	Histology C. N. S. Laboratory Prof. White	Chemistry Quiz Prof. Hammett	
3-4					Pathology Quiz Prof. Glenn	
4-5	Advanced Chemistry Lecture Prof. Hammett	Minor Surgery and Bandaging Lecture Dr. Avery	Advanced Chemistry Lecture Prof. Hammett	Minor Surgery and Bandaging Lecture Dr. Avery	Advanced Chemistry Lecture Prof. Hammett	
5-6	Normal Physiology Diagnosis Lecture Dr. Kane		Normal Physiology Diagnosis Lecture Dr. Kane		Normal Physiology Diagnosis Lecture Dr. Kane	

Junior Year Schedule for Session 1916-17.

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
A. M.	County Hospital 8 a. m. to 12 m.	College		County Hospital 8 a. m. to 12 m.		College
8-9	Sept. 5 to Dec. 2 Sec. A, *Autopsies, Prof. Glenn Section B, Gynecology Associate Prof. Southworth Sec. C, Orthopedics, Dr. Phillips Dec. 4 to Mar. 3 Section A*, Gynecology Associate Prof. Southworth	Surgical Applied Anatomy Lecture and Recitation Assoc. Prof. Criley	Jan. 22 to May 21 Proctology Lecture Dr. Kiger	Sept. 5 to Dec. 2 Section A*, Surgery, Dr. Huggins Sec. B, Autopsies, Prof. Glenn Section C, Surgery, Dr. Avery Dec. 4 to Mar. 3 Sec. A*, Autopsies. Prof. Glenn	Surgery* (Ward Conference Sections) Dr. Phillips Dr. Riggin Dr. Young Dr. Mackenzie Dr. Wilson Dr. Huggins Dr. Criley	Gynecology Lecture and Recitation Assoc. Prof. South- worth
9-10	Section B, Orthopedics Asst. Prof. Pahl Sec. C, Autopsies, Prof. Glenn Mar. 5 to May 21 Section A*, Orthopedics Asst. Prof. Pahl Sec. B, Autopsies, Dr. Maisch Section C, Gynecology Associate Prof. Southworth	Obstetrics Lecture and Recitation Sept. 5 to Mar. 3 Dr. Allen Mar. 5 to May 21 Prof. McNeile	Physical Diagnosis Lecture and Recitation Assoc. Prof. Herbert	Section B, Surgery Dr. Shoemaker Section C, Surgery. Dr. Nelson Mar. 5 to May 21 Section A*, Surgery Dr. Shoemaker Section B, Surgery, Dr. Phillips Sec. C, Autopsies, Prof. Glenn	Sept. 5 to Dec. 2 Surgery Ward Conferences Sections Drs. Phillips, Criley and Wilson Dec. 4 to May 21 Obstetrics, Prof. McNeile	Obstetrics Lecture and Recitation Dr. Allen
10-11	Medicine (Ward Conference Sections) Assoc. Prof. Herbert Drs. Leavitt Shulman, Perkey, Godin and Gallagher	Medicine Lecture and Recitation Assoc. Prof. Wessels	Medicine Lecture and Recitation Dr. Leavitt	Sept. 5 to Dec. 2 Mental and Nervous Diseases Sections E and F Prof. Fisher, and Medicine Section A, Dr. Maisch Section B, Dr. Granger Section C, Dr. Leavitt Section D, Dr. Cummings Dec. 4 to Mar. 3 Mental and Nervous Diseases Sections C and D, Prof. Fisher	Sept. 5 to Dec. 2 Medicine* Sections A and B, Prof. Browning Section C, Dr. Bowers Section D, Dr. Lacey Section E, Prof. Wright Section F, Dr. Cummings Dec. 4 to Mar. 3 Medicine Sections C and D, Prof. Browning	Mental and Nervous Diseases Lecture and Recitation Prof. Fisher
10-12		Surgery Lecture and Recitation Asst. Prof. Phillips	Surgery Lecture and Recitation Assoc. Prof. Huggins	Medicine Section F, Dr. Maisch Section A, Dr. Cummings Section B, Dr. Leavitt Section E, Dr. Granger Mar. 5 to May 21 Mental and Nervous Diseases Sections A and B, Prof. Fisher Section C, Prof. Wright Section D, Dr. Leavitt Section E, Dr. Maisch Section F. Dr. Granger	Section E, Dr. Lacey Section F, Dr. Bowers Section A, Dr. Smalley Section B, Dr. Cummings Mar. 5 to May 21 Medicine* Sections E and F, Prof. Browning Section A Dr. Smalley Section B, Prof. Wright Section C, Dr. Lacey Section D, Dr. Cummings	Surgery Lecture and Recitation Asst. Prof. Shoemaker

*Sections are rotated throughout the year.

	College					
P. M. 1-3:00	Clinics are held daily in all departments of Medicine and Surgery, except Sundays and holidays. Junior students are required to attend these clinics.					
3-4	Medicine Lecture Prof. Wright	Medicine Lecture and Recitation Dr. Shulman	Therapeutics Lecture and Recitation First Semester Dr. Swearingen Second Semester Dr. Holt	Clinical Microscopy Lecture Prof. Glenn	Clinical Microscopy Laboratory Prof. Glenn	Pathology Lecture and Laboratory Prof. Glenn
4-5	Sept. 5 to Jan. 20 Dietetics Lecture and Recitation Prof. Hammett Jan. 22 to May 21 Obstetrics Assist. Prof. McNiele	(This hour held in reserve)	Fractures and Dislocations Lecture Dr. Lettice	Ophthalmology Lecture and Recitation Prof. McCoy		
5-6	Orthopedic Surgery Lecture Dr. Pahl	Sept. 5 to Oct. 14 Life Insur. Exam. Dr. McDonald Oct. 16 to Dec. 2 History of Medicine Dr. Remondino Dec. 4 to May 21 Pediatrics Dr. Brandel	Obstetrics Lecture and Recitation Dr. Allen	Hygiene Lecture Prof. Glenn	Pediatrics Lecture and Recitation Sept. 5 to Mar. 3 Dr. Scott Mar. 5 to May 21 Dr. Bowers	

Senior Year Schedule for Session 1916-17

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
A. M.	Clinics Los Angeles County Hospital 8 a. m. to 12 m.					College
8-10	Gynecology and Abdominal Surgery Prof. Bryson	Sept. 5 to Dec. 2 Section A*, General Surgery Prof. Richardson Sec. B, Contagious Diseases Dr. Scott Sec. C, Genito-Urinary Diseases Dr. Dakin Dec. 4 to Mar. 3 Sec. A*, Contagious Diseases Dr. Scott Sec. B, Genito-Urinary Diseases Dr. Dakin Section C. General Surgery Prof. Richardson Mar. 5 to May 12 Section A*, Genito-Urinary Diseases Dr. Rosenkranz Section B, General Surgery Prof. Richardson Section C, Contagious Diseases Dr. Scott	Sept. 5 to Dec. 2 Section A, General Surgery Dr. Charlton Section B, Eye Prof. McCoy Section C, Ear, Nose, Throat Prof. Kyle Dec. 4 to Mar. 3 Section A*, Ear, Nose, Throat Prof. Kyle Section B, General Surgery Dr. Charlton Section C, Eye Prof. McCoy Mar. 5 to May 12 Section A*, Eye Prof. McCoy Section B, Ear, Nose, Throat Prof. Kyle Section C, General Surgery Dr. Charlton	General Surgery Profs. Witherbee or Whitman	General Surgery Prof. Seymour or Prof. Mattison	Gynecology and Abdominal Surgery Lecture and Recitation Prof. Bryson
10-12	Sept. 5 to Dec. 2 Medicine 10 B† Dr. Barrow Dec. 4 to Mar. 3 Medicine 10 D† Dr. Barrow Mar. 5 to May 12 Medicine 10 E† Dr. Barrow	Sept. 5 to Dec. 2 Medicine 10 A† Dr. Wessels Dec. 4 to Mar. 3 Medicine 10 B† Prof. Wright Mar. 5 to May 12 Medicine 10 C† Prof. Speik	Sept. 5 to Dec. 2 Medicine 10 C† Prof. Speik Dec. 4 to Mar. 3 Medicine 10 A† Prof. Speik Mar. 5 to May 12 Medicine 10 D† Dr. Wessels	Sept. 5 to Mar. 3 Pediatrics Dr. Dietrich and assistants Mar. 5 to May 12 Mental and Nervous Diseases Prof. Manger and Assistants	Sept. 5 to Dec. 2 Section A, Tuberculosis Prof. Browning Section B, Dermatology Dr. Davidson Section C, Proctology Dr. Kiger Dec. 4 to Mar. 3 Section A*, Dermatology As. Prof. Davidson Section B, Proctology Dr. Kiger Section C, Tuberculosis Prof. Browning Mar 5 to May 12 Section A, Proctology Dr. Kiger Section B, Tuberculosis Prof. Browning Section C, Dermatology As. Prof. Davidson	Surgery Prof. Seymour

*Sections A, B and C are rotated throughout the year. †See Medical Syllabus, pages 68-69.

P. M. 1-3	Clinics are held daily in all departments of Medicine and Surgery at the Washington Street Clinic and Dispensary in the College Building, from 1 to 3 p. m., except Sundays and holidays. Senior students are required to attend these clinics.					
	College 3 to 6 p. m.		County Hospital—3 to 6 p.m.	College 3 to 6 p. m.		
3-4	Sept. 5 to Mar. 3 Tropical Medicine Lecture Mar. 5 to May 12 Infectious Diseases Lecture Dr. Johnson	Neurology and Psychiatry Lecture and Recitation Prof. Manger	Pediatrics Clinical Lecture Dietrich	Therapeutics Lecture and Recitation Assoc. Prof. Jones	Neurology and Psychiatry Lecture and Recitation Prof. Manger	Hygiene Lecture and Laboratory [redacted]
4-5	Sept. 5 to Mar. 3 Dermatology Lecture Assoc. Prof. Davidson Mar. 5 to May 12 Medicine Lecture (Contagious Diseases) Dr. Scott	Otology Laryngology and Rhinology Sept. 5 to Dec. 2 Prof. Zuill Dec. 4 to Mar. 3 Prof. Kyle Mar. 5 to May 12 Dr. Lund	Obstetrics Prof. McNeile	Sept. 5 to Mar. 3 Medicine Lecture Asst. Prof. Wessels Mar. 5 to May 12 Medical Ethics and Economics Profs. Bryson or Seymour	Sept. 5 to Dec. 2 Medicine C Prof. Speik Dec. 4 to Mar. 3 Medicine D Dr. Barrow Mar. 5 to May 12 Medicine E Dr. Barrow. Lecture	
5-6	Roentgenology and Electrotherapy Lecture Prof. Soiland	Genito-Urinary Diseases Drs. Dakin or Rosenkranz		Medical Jurisprudence Lecture and Recitation Atty. Greer	Lecture and Recitation Tuberculosis Prof. Pottenger	

PART VI.

DEPARTMENTS OF INSTRUCTION

The concentration plan of instruction, which has been adopted in many of the leading schools throughout the country and which has been so much lauded by many institutions that have adopted it, for its flexibility, solidarity and its enabling powers to concentrate the student's mind for lengths of periods at stated intervals throughout the course, has been adopted by this school. The plan is to take the student along in a limited number of subjects at a time, for a period, then ease up a trifle on the branches concentrated upon and crowd the work in other subjects for another period, repeating this plan as necessary. This method of teaching is in force in this school and by referring to the schedules of study, it will be noted how excellently this plan is working out. Since the adoption of the concentration plan we find it superior to the old method of teaching.

A General Outline of Reclassification of Instruction

It was thought best to rearrange and reclassify the departments in this school, thus necessitating a material change in the curriculum. In this readjustment we were actuated and guided by the seeming necessity of grouping together the departments that have particular bearing, primarily at least, one upon the other. It was thought that this organization of departments would effect a closer correlation of instruction in related subjects, thus securing more solidarity in instruction and concentration of purpose, than could be had with the prevailing methods of allowing so much individuality in subdivision of major subjects into separate or independent departments. Medicine is a practical science and in building the foundation upon which the superstructure of advanced medical knowledge must rest, there must be a blending into groups of the departments that are in harmony at each period in the building, thus forming the whole, in time, into as nearly a concrete and finished product as possible; and therefore, Anatomy, Histology and Embryology are placed under one control, or in one department, as each deals with normal anatomical structures, Chemistry, Toxicology and Dietetics in one department, and Physiology and Pharmacodynamics have been placed in another, as we prefer that our students be shown upon animals and otherwise, by means of the latest and best apparatus, the action in different stages of administration, of drugs upon the various animal organisms. Pathology, Bacteriology, Clinical Microscopy and Hygiene are grouped together for reasons quite apparent. Materia

Medica and Therapeutics, including Pharmacognosy, form Department V. Applied Therapeutics, however, is taught throughout in the Department of Medicine, where it rightfully belongs. The Department of Medicine includes the allied departments of General Medicine, including Clinical Medicine, Physical Diagnosis, Neurology, Psychiatry, Pediatrics, Jurisprudence, ethics and economics. Dermatology and Syphilography, as these various subjects are essentially medical, should be and are under the control of the Medical Department. Surgery embraces those departments essentially or largely so at least, that are surgical, probably at one stage or another, as General Surgery, including Orthopedic Surgery, Fractures, Dislocations, Genito-Urinary Diseases, Ophthalmology, Otology, Larynology, Rhinology, which form Department VII. Division VIII embraces Obstetrics, Gynecology and Abdominal Surgery.

The student body is divided into several groups in all departments, thus bringing each individual member of the class in close personal touch not alone with the subject under consideration, but in close personal contact with his instructor. There must be a systematic amount of didactic instruction in all departments, and this is interwoven with laboratory, clinical and recitative periods, as may be necessary to give the student a broad and comprehensive view of each subject.

Below will be found tabulated the grouping of subjects as embraced in our curriculum:

Division I. Anatomy, Histology and Embryology.

Division II. Chemistry, Toxicology and Dietetics.

Division III. Physiology and Pharmacodynamics.

Division IV. Pathology, Bacteriology, Clinical Microscopy and Hygiene.

Division V. Materia Medica and Therapeutics.

Division VI. Medicine and Medical Specialties.

Division VII. Surgery and Surgical Specialties.

Division VIII. Obstetrics, Gynecology and Abdominal Surgery.

SUMMARY OF CURRICULUM

College of Physicians and Surgeons, Medical Department, University of Southern California, Los Angeles, California, Sessions 1916-1917

Thirty-six Teaching Weeks	First Year		Second Year		Third Year			Fourth Year			Entire Course			Total Each Branch	Total Each Divisi'n
	Lectures and Recitations	Laboratory	Lectures and Recitations	Laboratory	Lectures and Recitations	Laboratory	Clinic	Lectures and Recitations	Laboratory	Clinic	Lectures and Recitations	Laboratory	Clinic		
DIVISION I															
Anatomy	90	216	108	216	....	....	....	....	....	....	234	432	....	666	....
Surgical Applied Anatomy	....	....	....	....	36	....	....	....	....	....					
Histology	54	108	18	36	....	....	....	....	....	....	72	144	....	216	....
Embryology	36	72	....	....	....	....	....	....	....	....	36	72	....	108	....
Total Division I	....	....	....	....	....	....	....	....	....	....	....	....	....	....	990
DIVISION II															
Chemistry and Toxicology	90	108	90	....	....	....	....	....	....	....	180	108	....	288	....
Biological Chemistry	90	162	....	36	....	....	....	....	....	....	90	198	....	288	....
Dietetics	....	....	....	....	18	....	....	....	....	....	18	....	....	18	....
Total Division II	....	....	....	....	....	....	....	....	....	....	....	....	....	....	594
DIVISION III															
Physiology	90	216	36	72	....	....	....	....	....	....	126	288	....	414	....
Pharmacodynamics	....	....	54	72	....	....	....	....	....	....	54	72	....	126	....
Total Division III	....	....	....	....	....	....	....	....	....	....	....	....	....	....	540
DIVISION IV															
Bacteriology	....	....	54	108	....	....	....	....	....	....	54	108	....	162	....
Pathology	....	....	144	180	36	36	....	....	....	....	180	216	....	396	....
Autopsies	....	....	....	....	....	....	48	....	....	....	....	....	48	48	....
Clinical Microscopy	....	....	....	....	36	72	....	....	....	....	36	72	....	108	....
Hygiene	....	....	....	....	36	....	....	36	36	....	72	36	....	108	....
Total Division IV	....	....	....	....	....	....	....	....	....	....	....	....	....	....	822
DIVISION V															
Materia Medica	36	....	54	....	....	....	....	....	....	....	90	....	....	90	....
Therapeutics	....	....	....	....	36	....	....	36	....	....	72	....	....	72	....
Total Division V	....	....	....	....	....	....	....	....	....	....	....	....	....	....	162
DIVISION VI															
Medicine	....	....	....	....	144	....	192	144	....	264	288	....	456	834	....
Physical Diagnosis	....	....	54	....	36	....	....	....	....	....	90	....			....
Pediatrics	....	....	....	....	60	....	....	....	....	84	60	....	84	144	....
Neurology and Psychiatry	....	....	....	....	72	....	24	72	....	24	144	....	48	192	....
Dermatology	....	....	....	....	....	....	....	24	....	24	24	....	24	48	....
Roentgenology&Electrotherapy	....	....	....	....	....	....	....	36	....	....	36	....	....	36	....
Medical Jurisprudence	....	....	....	....	....	....	....	36	....	....	36	....	....	36	....
Hist.of Med.& Life Ins.Exam.	....	....	....	....	12	....	....	....	....	....	12	....	....	12	....
Medical Ethics and Economics	....	....	....	....	....	....	....	12	....	....	12	....	....	12	....
Total Division VI	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1314
DIVISION VII															
Surgery	....	....	....	....	162	....	96	72	....	216	234	....	312	582	....
Minor Surgery and Bandaging	....	....	36	....	....	....	....	....	....	....	36	....			....
Orthopedic Surgery	....	....	....	....	36	....	24	....	....	....	36	....	24	60	....
Genito-Urinary Diseases	....	....	....	....	....	....	....	36	....	24	36	....	24	60	....
Otology, Laryng. & Rhinology	....	....	....	....	....	....	....	36	....	24	36	....	24	60	....
Ophthalmology	....	....	....	....	36	....	....	....	....	24	36	....	24	60	....
Total Division VII	....	....	....	....	....	....	....	....	....	....	....	....	....	....	822
DIVISION VIII															
Obstetrics	....	....	....	....	108	....	24	....	....	72	108	....	96	204	....
Gynecology	....	....	....	....	36	....	24	....	....	....	36	....	24		
Gynecology & Abd. Surgery	....	....	....	....	....	....	....	72	....	72	72	....	72	204	....
Total Division VIII	....	....	....	....	....	....	....	....	....	....	....	....	....	....	408
Total	486	882	648	720	900	108	432	612	36	828	2646	1746	1260	5652	5652
Total by Years	1368		1368		1440			1476			5652				

In estimating the hours devoted to actual work in this college, please note that the College Dispensary is open from 1 to 3 p.m. each day, in all departments, and while it is impossible for a student to attend all clinics at the same time, he may take advantage of the numerous cases presented and thus follow up each line of work.

The above table does not include time spent in the above named dispensary.

DIVISION I. ANATOMY, HISTOLOGY AND EMBRYOLOGY

Harry Oscar White, M.D., *Professor of Anatomy, Histology and Embryology.*
Clarence Holmes Criley, Ph.B., M.D., *Associate Professor of Anatomy.*
Miles Guthrie Varian, M.D., *Lecturer on Anatomy.*
F. R. Webb, M.D., *Demonstrator of Anatomy.*

Description of Course and Method of Instruction in Human Anatomy

This department aims to present the subject of Human Anatomy in a thoroughly scientific and practical manner. The laboratory work is done under constant surveillance. The student is required to take frequent individual quizzes upon the cadaver; to demonstrate all parts dissected to a competent demonstrator; and to attend class quizzes and an individual oral and written final examination. The lectures supplement the laboratory work dealing with such facts from embryology and comparative vertebrate anatomy as will give breadth to the student's view of the field. In connection with the laboratory work, lectures are delivered, reviewing the work that has been completed. The object of this is to call attention to the relations and significance of the parts that have been studied and to elucidate, with the aid of specially prepared anatomical charts, diagrams, and imported models, the anatomy of difficult and important structures. Especial pains are taken to emphasize the broader morphological significance of the details of Human Anatomy. With a view to introducing students properly to the study of Practical Anatomy, they are taught by section demonstrations how to dissect and what to seek for in the part to be dissected. Besides the demonstrators who are detailed to guide the student through the various steps of dissection, a specially prepared anatomical outline on every region of the human body is furnished to the student for his guidance. The aim is to stimulate accurate and careful technique in the art of dissection, exactness of observation, and independence of judgment on the part of the student. The descriptive course in Anatomy is conducted by means of lectures, recitations, demonstrations on the cadaver, dry and wet anatomical preparations, and charts and models, of which latter liberal use is made in order to illustrate the lectures and demonstrations. In the course of Neurology the student dissects a sheep brain in order to gain some knowledge of the morphological relations of the general divisions of the brain, and then makes a careful study of the human brain and spinal cord by means of horizontal, coronal and sagittal sections, which is further followed by a microscopic study of the central nervous system and the organs of the special senses.

The dissecting material is abundant, thoroughly preserved by the latest scientific processes of embalming, scrupulously clean, and absolutely free from offensive odors or infective qualities.

Students who are suitably qualified and physicians who desire to do advanced work in Anatomy will receive every encouragement which the department is able to offer.

From among those students who show the greatest proficiency, prosectors are appointed who do special dissection work and quizzing under the direction of the Professor and assistants.

(a) GROSS ANATOMY.

COURSE 1. *Freshman Anatomy.* The course in Freshman Anatomy includes the study of Osteology, Arthology, Myology, Angiology (including the heart), Respiratory and Digestive Systems, Neurology of the extremities, and dissection of the upper and lower extremities.

Lectures and Recitations	90 hours
Laboratory Exercises	216 hours
Professor White and Assistants	306 hours

COURSE 2. *Sophomore Anatomy.* The course in Sophomore Anatomy includes the study and dissection of the Head, Neck, Thoracic and Abdominal organs, the Perineum, Ductless Glands, Genito-Urinary Organs, Respiratory, Circulatory, and Digestive Systems, organs of the Special Senses, Human Brain, Spinal Cord, and Sympathetic Nervous System.

This course is a continuation of the first year, but from the standpoint of the application, and not as an abstract science. It embraces the outlines, positions, and relations of the various organs and the means of recognizing them, thus giving a knowledge necessary for diagnostic and operative purposes.

The bones are studied individually and collectively, the student pointing out and describing the different parts from actual specimens. Bones are loaned to the students for private study.

Lectures, Demonstrations and Recitations	108 hours
Laboratory Exercises	216 hours
Professor White and Assistants	324 hours

COURSE 3. *Surgical Applied Anatomy and Operative Surgery* on the cadaver is taught in the third year.

Associate Professor Criley	36 hours

(b) HISTOLOGY

COURSE 1. Elementary Histology is given during the Freshman year. The study of fresh tissue, disassociation methods, and the technique in the

preparation of fixed and hardened tissues is given the student. All the elementary tissue of the body, including normal blood, etc., are studied.

Prof. White and Assistants.....162 hours

Course 2. Histology of the Central Nervous System is taught during the Sophomore year.

Prof. White and Assistants.....54 hours

(c) EMBRYOLOGY

Embryology is taught by didactic instruction and laboratory work during the Freshman year. Lectures and quizzes on the structure of germ cells, the decidua, and the placenta are given at the beginning of the course. Following this, the student is required to prepare and mount embryo chicks, illustrating development up to and including the differentiation of the somites.

Lectures and recitations in human embryology are a part of this course. The students are required to make drawings and diagrams of the folding in of the layers of the embryo, including the histology of the foetal membranes. The complete histogenesis of the principal organs of the body is studied. The students are required to prepare their own sections, from which demonstrations and drawings are made.

The equipment in this department is complete and consists of incubators, charts, models, and all the usual necessary histological and embryological material.

Prof. White and Assistants.....108 hours

Text Books:

Anatomy

Gray (New English Edition), Cunningham, Cunningham's "Manual of Dissection," Piersol, Morris.

Atlases and Collateral Reading: Quain's "Anatomy"; Holden; McClellan's "Regional Anatomy"; Deaver's "Surgical Anatomy"; Edinger's "Anatomy of the Nervous System"; Huntington's "Anatomy of the Peritoneum and Abdominal Cavity"; Sobotta and McMurrich's "Atlas of Human Anatomy"; Toldt's "Atlas of Human Anatomy"; Spalteholz's "Atlas of Anatomy."

Histology

Bailey; Bohm; Davidoff; Huber; Piersol; Schaeffer; Jordan & Ferguson.

Embryology

Prentiss; Bailey; "Human Embryology" by Kieble and Mall; McMurrich; Heissler.

DIVISION II. CHEMISTRY, TOXICOLOGY AND DIETETICS.

FREDERICK S. HAMMETT, A.B., M.S., A.M., Ph.D., *Professor of Biological Chemistry.*
IRVIN KARSNER SEARLE, B.S., A.M., *Instructor in Chemistry.*

(a) CHEMISTRY

Although this school now requires a two-years college course as a pre-medical requisite, which includes an adequate amount of chemical fundamentals, the Department of Chemistry spends some little time in review of elementary Inorganic, Physical and Organic Chemistry, adding to this review an elaboration as introduction to Biological Chemistry.

It is the aim of the department to instil into the minds of the medical students the fact that chemistry in its relations to medicine is not ephemeral but of direct practical applicability.

COURSE 1. *General Inorganic Chemistry.* First year students. Given during the first half of the first semester.

This course comprises a review of the properties of the elements, their compounds and reactions. Especial attention is paid to the radio-active elements and the ideas underlying their practical application.

COURSE 2. *General Organic Chemistry.* First year students. Given during the last half of the first semester.

Instruction in this course is designed to give a secure foundation in the fundamental principles underlying the chemistry of the carbon compounds. Elaboration is along the lines of study of the compounds and reactions of direct practical application to Biological Chemistry.

COURSE 3. *Toxicology.* First year students. During the work given in Courses 1 and 2, due consideration is given to the toxic properties of the elements and compounds studied, together with their antidotes and methods of detection in alimentary content, excreta or tissues.

COURSE 4. *Introduction to Biological Chemistry.* First year students. Entire first semester.

The object of this course is to prepare the way for an intelligent conception of the reactions of the body. It is concerned with the theoretical considerations on which clinical analysis is based, such as the preparation of standard solutions and the theory of indicators. It takes up the mass-law, the mechanism for the maintenance of the reaction of the blood, the physical chemistry of protoplasm, including a study of osmosis, surface tension, and ionization. The colloid state and its properties are studied as well as the ideas underlying enzyme action.

COURSE 5. *Biological Chemistry.* First year students. Entire second semester.

Instruction in this course is confined to the practical application of the science of chemistry to the study of the human body. It includes the metabolic and regulative functions of the tissue, the chemical nature of food-stuffs, their metabolism and excretion.

Course 6. *Advanced Chemistry.* Second year students. Entire second semester. This course comprises all that is given in Course 5.

Course 7. *Advanced Biological Chemistry I.* Elective.

An opportunity is here offered for the student to prepare compounds of biological interest such as amino-acids, fats, etc. Hours to be arranged.

Course 8. *Advanced Biological Chemistry II.* Elective.

This special course aims to give an intensive study of protein metabolism and nitrogen excretion, special attention being given to the effect of diet on the composition of urine and a knowledge of the methods for accurate analysis of excreta. Hours to be arranged.

Course 9. *Research in Bio-Chemistry.* Elective.

This course is offered to provide opportunity for qualified students to pursue bio-chemical research under the supervision of the department. Collaboration with clinical work is possible if desired. Hours to be arranged.

Course 10. *Bio-Chemical Seminar.*

The object of the Seminar is to enable the medical student not only to keep pace with the progress of this branch of medical science, but to also familiarize himself with methods of scientific thinking and procedure. Discussions are open and free. Hours to be arranged.

Total number of hours in entire course:

Freshman Chemistry and Toxicology—90 hours didactic, 108 hours laboratory.

Freshman Bio-Chemistry—90 hours didactic, 162 hours laboratory.

Sophomore Chemistry—90 hours didactic.

Sophomore Bio-Chemistry—36 hours laboratory.

Total—Prof. Hammett and Mr. Searle (270 hours didactic, 306 hours laboratory), 576 hours.

(b) DIETETICS. For third year students.

One hour per week during the first semester.

This course gives an outline of the factors of nutrition, their practical significance and a discussion of the modern theories of diet with which the practitioner may come in contact, together with the scientific data underlying their usefulness.

Prof. Hammett .....18 hours

Reference Books:

Inorganic Chemistry: Smith; Remsen.
Organic Chemistry: Cohen; Perkin & Kipping; Remsen; Moore.
Toxicology: *Holland.
Physiological Chemistry: *Mathews; Hammarstein; Hawk.
Laboratory Manual: *Tolin.
Dietetics: *Bryce; Luck.

*Students must provide themselves with these books.

DIVISION III. PHYSIOLOGY AND PHARMACODYNAMICS.

ARTHUR D. BUSH, B.S., M.D., *Professor of Physiology and Pharmacodynamics.*

HERBERT W. CUMMINGS, B.S., *Instructor in Physiology.*

(a) PHYSIOLOGY

Instruction in this department will be such as to furnish thorough information concerning the living body in its normal condition. While frequent references will be made to illuminating facts in comparative physiology, yet the principal study both in the class room and in the laboratory will be human physiology. Emphasis will be placed on that information which will be of greatest utility to the student in his professional activities. This information will be largely obtained by determining how in the human body the general laws of physiology are manifested.

The methods of instruction will consist of lectures, oral and written recitations, demonstrations, laboratory studies, conferences and seminar.

COURSE 1. *First Year Physiology.* Lectures, recitations and conferences. This course deals with the physiology of Skeletal and Muscular tissues, the interrelation of Muscle groups, Nerve-Muscle physiology, Reflex action, and the physiology of the Circulatory and Respiratory systems.

COURSE 2. *Laboratory, First Year Physiology.* This course has two aims. The first is to give a training in carefulness of observation, accuracy in notation, and logicalness of deduction. For this preliminary training a few of the classic experiments in general physiology will be utilized. The second aim is to give the student an intimate working acquaintance with the functioning body. For this purpose an extended series of experiments in applied physiology has been arranged in close correlation with the subject matter of Course 1; these experiments give the student a comprehensive first-hand information concerning the leading phenomena of human physiology.

Students working in pairs will be required to hand in written daily reports of all experiments, incorporating graphic records and tabulated

observations. The investigation method will be used exclusively, to the end that through the careful selection and correlation of fundamental facts the student shall acquire habits of discriminating observation and deductive analysis.

Course 3. *Second Year Physiology.* Lectures, recitations and conferences. This course deals with the physiology of Digestion, Absorption, Secretion, Excretion, Metabolism, the Sense Organs, Central Nervous System, and the Reproductive System.

Course 4. *Laboratory, Second Year Physiology.* Work closely correlated with Course 3 while continuing the principles and methods of Course 2.

Course 5. *Research in Physiology.* A course devoted to the training in method, and to the investigation of original and assigned problems. Open to those students only who have shown especial aptitude and ability in physiology.

Course 6. *Seminar in Physiology.* For the presentation of theses and for the discussion of papers, problems and reviews.

Total number of hours:

Didactic—Freshman.....	90	Laboratory—Freshman.....	216
Didactic—Sophomore....	36	Laboratory—Sophomore....	72
	126		288

Total number of hours Prof. Bush and Mr. Cummings..414

(b) PHARMACODYNAMICS

Course 1. *Physiological Action of Drugs.* Lectures, recitations, demonstrations and conferences. (Second Year Students.) This course will consist of a thorough discussion of the way and manner in which the living organism responds to the more important drugs. Each drug considered will be studied in relation to its specific action on the several systems of the body, and the different symptoms produced by varying doses.

Course 2. *Laboratory Work in Pharmacodynamics.* A series of carefully selected studies of the effects of leading drugs on the several systems, with comparative observations of these effects on the lower animals and on man. The investigation method is used exclusively, each student discovering pharmacologic information by actual experimentation on various animals, including man.

Students will work in groups, and will keep careful records, both graphic and written, of all experimentation, credits being assigned for carefulness in observation, precision in tabulation, and accuracy in deduction.

COURSE 3. *Research in Pharmacodynamics.* A course whose object is to carefully train students in the methods of research, and to assist them in the successful investigation of original and assigned problems. Open to those students only who have shown especial aptitude and ability in Pharmacology.

COURSE 4. *Seminar in Pharmacology.* For the presentation of theses and for the discussion of pharmacology papers, problems and reviews.

Total number of hours:

Didactic, 54; Laboratory, 72.....126

TEXT BOOKS:

Physiology:

Class room—Howells.

Laboratory—Lombard; Bush.

Reference—Stewart; Starling; Tigerstedt; Bayliss.

Pharmacodynamics:

Class room—Cushny; Bush.

Laboratory—Bush.

Reference—Sollman; U. S. Dispensatory.

DIVISION IV. PATHOLOGY, BACTERIOLOGY AND CLINICAL MICROSCOPY.

T. H. GLENN, A.B., Ph.D., M.D., *Professor of Pathology, Bacteriology and Clinical Microscopy.*

PAUL K. SELLEW, M.D., *Instructor in Pathology.*

Bacteriology, General and Special Pathology, Clinical Microscopy and Hygiene are taught by laboratory work, lectures, demonstrations and recitations.

(a) BACTERIOLOGY

This is a practical course in which students become familiar with the preparation of culture media, principles of sterilization and disinfection, methods of cultivating, staining and studying the most important pathogenic bacteria.

Lectures will be given during the laboratory course devoted to the consideration of subjects pertaining to infection and immunity.

Recitations will cover the work done in the laboratory by the student as well as the subjects treated in the lectures and text book study.

Prof. Glenn, 162 hours during the sophomore year.

(b) GENERAL PATHOLOGY

Course 1. Pathological Histology is taught as a part of pathological anatomy. The description and the demonstration of the gross lesion are followed by microscopical examination.

The lectures will be devoted to a consideration of the etiology and pathology of disease.

Recitations will cover the work done in the laboratory as well as subjects treated in the lectures and text book assignments.

Course 2. Study of infectious granulomas and tumors.

This course will be given as a part of general pathology.

Prof. Glenn and Dr. Sellew, 324 hours during the sophomore year.

Course 3. SPECIAL PATHOLOGY

This course is a study of the pathological processes affecting special organs and tissues.

Lectures, recitations, demonstrations and laboratory work.

Prof. Glenn and Dr. Sellew, 72 hours during junior year.

(c) CLINICAL MICROSCOPY

This course is given by lectures, laboratory work and recitations during the junior year.

It consists of chemical and microscopical examination of urine, blood, gastric contents, faeces, sputum, smears and cultures, etc. The material comes from the hospital and dispensaries.

Lectures will be devoted to a consideration of the interpretation of the laboratory findings, together with the practical application of the laboratory work in the study and diagnosis of disease.

Prof. Glenn, 108 hours during junior year.

(d) AUTOPSIES

Practical instruction is given in the methods of making post-mortem examinations and of recording results. The student studies and describes the gross and microscopic appearance of diseased organs and tissue. Bacteriological and chemical examinations are made when essential. This course is given in sections at County Hospital.

Prof. Glenn, 48 hours each section, junior year.

(e) ADVANCED WORK AND RESEARCH

Open to properly qualified students or graduates in medicine.

(f) HYGIENE

Owing to the rapid advances which have been made in the science of medicine in the last few years, State Medicine and Hygiene has become a very important branch of this science. The subject is taught by reports and laboratory work for 36 hours in the Junior year and 72 hours' class room work throughout the Senior year.

Hygiene as applied to preservation of health and prevention of disease will be studied, especial attention being given to the pure food law, adulterations, dilutions and labeling, etc. School room and sick room hygiene will be covered. Especial consideration is given the subject of Eugenics and the effect of hereditary influences on health. Hygiene of air, soil, water, climate, food and diet; food supply, food diseases and adulterations; heating, lighting and ventilating of dwellings; municipal sanitation and water supply, sewage and drainage, disposal of refuse; the prevention of contagious diseases, including tropical diseases; the laws regulating quarantine, etc.; in fact, all branches of Preventive Medicine, Hygiene and Sanitation will be thoroughly given. In order that the importance of this branch may be more fully impressed on the student, eighteen hours during the year will be devoted to work in the laboratory. At this time the student will be required to make chemical and bacteriological analyses of water, milk and butter, together with tests for preservatives in canned meats, fruits and vegetables.

Prof. Glenn and Dr. Sellew (Junior year, 36 hours; Senior year, 72 hours).

Total .....108 hours

TEXT BOOKS:

Bacteriology:

*Jordan, General Bacteriology; *Heinemann, A Laboratory Guide in Bacteriology; Hiss & Zinser; Park & Williams; McFarland; Buchanan.

Pathology:

*Ziegler, *Dellafield & Prudden, *Adami Systemic Pathology; Adami & Nicol; Stengel & Fox; Wells Chemical Pathology; Mallory & Wright, Pathological Technique; Kaufman; Mallory; Coplin; Cattell; Durck.

Clinical Microscopy:

*Sahli; Webster; Wood; *Emerson; Simon; *Cabot on Blood.

*Text books recommended.

DIVISION V. MATERIA MEDICA AND THERAPEUTICS.

Edward Douglass Jones, M.D., *Associate Professor of Therapeutics.*
Otto Bames, M.D., *Lecturer on Materia Medica.*
Ray A. Carter, M.A., M.D., *Instructor in Materia Medica.*
Forrest C. Swearingen, S.B., M.D.
Rufus Andrew Holt, Jr., M.D. } *Instructors in Therapeutics.*

Course 1. First year students are given instruction in the study of drugs. First each drug will be considered in its crude and primary state, the botany of the various plant and vegetable elements entering into the basic principles of our materia medica, together with the different and individual alkaloids of each, as well as the mineral elements, basic as well as analytic, from the view point of materia medica.

This department is supplied with crude drugs and standard preparations for direct demonstration, which enables each student to familiarize himself with not only the appearance, but the odor, the taste and general characteristics of each. Laboratory facilities are at hand for demonstrating the pharmacognosy and the pharmacology of each drug and compound, while the student is referred to the Department of Physiology for the pharmacodynamics of drug therapy, elementary.

Dr. Carter.....36 hours

Course 2. The Sophomore or second year students receive instruction in advanced materia medica, including prescription writing, dosage, etc., in all of its complications, with an outline of elementary therapeutics and toxicology, with the view of preparing the student for applied therapeutics as taught in the Department of Therapeutics and General Medicine. The student must know the Materia Medica as well as the Pharmacognosy, Pharmacology and Pharmacodynamics of drugs before he can know drug therapy.

Dr. Bames.....54 hours

Course 3. *Therapeutics.* Junior year students devote three hours each week, throughout the second and third trimesters, to this branch of the work. The method employed in teaching this department is didactic and clinical, with recitative review of the most important subjects, from time to time, supplemented by clinical instruction at regular periods throughout the year.

A portion of the time is devoted to the practical side of toxicology and to the study and application of prescription writing.

Drs. Holt and Swearingen.....36 hours

Course 4. *Therapeutics.* The Senior students devote one hour each week throughout the entire college year to this branch of the work. It is

intended to divide the class into sections of some four to ten members in each section and assign to each section from time to time certain patients afflicted with the disorder desired to be studied, and they are required to write a complete history of the cases presented, outline a method of management according to their own previous knowledge, and then during a class conference they are corrected, criticized, quizzed and instructed in the various recognized methods of treatment and management of the diseases under consideration, supplemented from time to time with didactic teaching upon such subjects as may be deemed advisable to present in this manner or in illustration of which it is inconvenient or impracticable to obtain suitable cases.

Associate Prof. Jones.....36 hours

TEXT BOOKS:

Materia Medica:

Bastedo.

Therapeutics:

Shoemaker; Potter; Butler; Wood; Forchheimer; Hare.

DIVISION VI. MEDICINE AND MEDICAL SPECIALTIES.

FREDERICK A. SPEIK, S.B., M.D., *Professor of Medicine.*

THOMPSON B. WRIGHT, A.M., M.D., *Professor of Medicine.*

JAMES TUCKER FISHER, M.D., *Professor of Neurology and Psychiatry.*

CHARLES C. MANGER, PH.G., M.D. *Professor of Neuropathology and Clinical Neurology.*

CHARLES C. BROWNING, M.D., *Professor of Diseases of the Chest.*

F. M. POTTENGER, A.M., M.D., LL.D., *Professor of Diseases of the Chest.*

ALBERT SOILAND, M.D., *Professor of Roentgenology.*

HENRY HERBERT, M.D., *Associate Professor of Medicine.*

ANSTRUTHER DAVIDSON, C.M., M.B., M.D., *Associate Professor of Dermatology.*

EDWARD DOUGLASS JONES, M.D., *Associate Professor of Therapeutics.*

HENRY DIETRICH, M.D., *Associate Professor of Pediatrics.*

WALTER F. WESSELS, M.D., *Associate Professor of Medicine.*

JOHN VINCENT BARROW, S.B., M.D.
FRANK JAMES LEAVITT, M.D. } *Assistant Professors of Medicine.*

ERNEST BRYANT HOAG, A.M., M.D., *Assistant Professor of Pediatrics.*

LEWIS D. REMINGTON, M.D., *Assistant Professor of Diseases of Chest.*

PETER C. REMONDINO, M.D., *Lecturer on History of Medicine and Medical Bibliography.*

H. E. MCDONALD, M.D., *Lecturer on Life Insurance Examinations.*

GEORGE L. GREER, A.B., LL.B., *Lecturer on Medical Jurisprudence.*

A. F. MAISCH, M.D.
A. S. GRANGER, A.B., M.D. } *Lecturers on Medicine.*
A. J. SCOTT, JR., M.D., *Lecturer on Pediatrics.*
LEON SHULMAN, M.D., *Lecturer on Diseases of the Chest.*
R. S. CUMMINGS, M.D.
DWIGHT S. MOORE, M.D. } *Instructors in Medicine.*
M. J. ROBERTS, M.D.
J. EUGENE FAHY, A.B., M.D. } *Instructors in Diseases of the Chest.*
ROBERT B. HILL, M.D.
A. F. GODIN, M.D. } *Instructors in Medicine.*
WM. B. KERN, M.D., *Instructor in Psychiatry.*
ROBERT M. DUNSMOOR, M.D., *Instructor in Electrotherapy.*
CHESTER H. BOWERS, A.M., M.D., *Instructor in Pediatrics.*
HARRY M. BRANDEL, M.D., *Instructor in Pediatrics.*
G. E. PATRIC, M.D.
R. C. MACCLOSKEY, M.D. } *Instructors in Diseases of the Chest.*
ADRIAN B. PERKEY, M.D.
FRANK CROWELL BISHOP, M.D.
LOUIS M. KANE, A.B., M.D.
JOHN MARK LACEY, M.D.
H. GALLAGHER, M.D.
C. A. SMALLEY, M.D.
C. A. JOHNSON, A.B., M.D. } *Instructors in Medicine.*

(a) MEDICINE

COURSE 1. *Normal Physical Diagnosis.* Three hours each week, during the third trimester of the Sophomore year, are devoted to lectures and demonstrations in Normal Physical Diagnosis. This work includes the regional topographical anatomy of the body, the rules governing inspection, palpation, percussion, auscultation, mensuration, including a short course on the signs and symptoms of general diagnosis. In this course specific symptomatology is avoided.

Dr. Kane.....54 hours

COURSE 2. *Didactic Physical Diagnosis.* In the Junior year, one hour each week is given in didactic instruction on charts, models, by drawings, diagrams and on living subjects.

Associate Prof. Herbert.....36 hours

COURSE 3. *Clinical Physical Diagnosis.* In the Junior year, practical instruction is given Mondays at the County Hospital. History writing constitutes a material part of the work of this course.

Associate Professor Herbert, Drs. Leavitt, Shulman, Perkey, Godin and Gallagher (72 hours each section).

COURSE 4. *Junior Didactic Medicine.* During the Junior year, three hours each week are devoted to didactic and recitative instruction. The work is of a thoroughly practical nature and embraces a study of Internal Diseases generally, Parasitic Diseases, Infectious Diseases, Constitutional Diseases and the Diseases of the Lungs, Heart and Blood-vessels, Liver, Stomach and Intestines, Pancreas, Kidneys, Spleen and Lymphatic System, Blood and Ductless Glands.

Prof. Wright, Associate Professor Wessels, Drs. Leavitt and Shulman, 144 hours.

COURSE 5. *Junior Clinical Medicine.* Clinics and conference courses at the bedside in the Los Angeles County Hospital are given on Thursdays, 10 to 11 a. m., and Fridays, 10 a. m. to 12 m. (exclusive of the work given in Physical Diagnosis).

Prof. Wright, Prof. Browning, Drs. Cummings, Maisch, Granger, and Assistants.

Total.....120 hours each section.

COURSE 6. *Senior Didactic General Medicine.* The Senior students receive didactic and recitative instruction in General Medicine, covering the subjects given in clinic and conference at the Los Angeles County Hospital. See Course 10.

Prof. Speik, Assoc. Prof. Wessels, and Dr. Barrow.

Total .....72 hours

COURSE 7. *Senior Tropical Medicine* is taught in the Senior year one hour each week for twenty-four weeks. Clinic cases are seen at the Los Angeles County Hospital whenever possible.

Dr. Johnson, first and second trimesters.....24 hours

COURSE 8. *Senior Infectious Diseases,* with special reference to Immunity is taught in the Senior year, last twelve weeks.

Dr. Johnson.....12 hours

COURSE 9. *Senior Clinical Contagious Diseases.* Clinic and Conference course, with special reference to Applied Therapeutics.

Dr. A. J. Scott, Tuesdays, 8 to 10 a. m., 24 hours each section.

COURSE 10. *Senior Clinical Medicine.*

(a) *Diseases of the Alimentary Tract and Liver.* Clinic and Conference course at the Los Angeles County Hospital.

First twelve weeks, Assoc. Prof. Wessels, Tuesdays, 10 a. m. to 12 m., 24 hours.

Second twelve weeks, Prof. Speik, Wednesdays, 10 a. m. to 12 m., 24 hours.

(b) *Infectious Diseases,* with special attention given to Applied Therapeutics, clinic and conference course at the Los Angeles County Hospital.

First twelve weeks, Dr. Barrows, Mondays, 10 a. m. to 12 m., 24 hours.

Second twelve weeks, Prof. Wright, Tuesdays, 10 a. m. to 12 m., 24 hours.

(c) *Diseases of the Heart, Blood Vessels and Kidneys.* Clinic and Conference course at the Los Angeles County Hospital.

First twelve weeks, Prof. Speik, Wednesdays, 10 a. m. to 12 m., 24 hours.

Third twelve weeks, Prof. Speik, Tuesdays, 10 a. m. to 12 m., 24 hours.

(d) *Diseases of Blood and Ductless Glands,* with special reference to Applied Therapeutics. Clinic and conference course, at Los Angeles County Hospital.

Second twelve weeks, Dr. Barrow, Mondays, 10 a. m. to 12 m., 24 hours.

Third twelve weeks, Assoc. Prof. Wessels, Wednesdays, 10 a. m. to 12 m., 24 hours.

(e) *Diseases of Metabolism and Constitutional Diseases.* Clinic and conference course at the Los Angeles County Hospital, with special reference to Applied Therapeutics.

Third twelve weeks, Dr. Barrow, Mondays, 10 a. m. to 12 m., 24 hours.

Total number of hours, Course 10.....216 hours

Course 11. *Senior Clinical Medical Tuberculosis.* Clinic and conference course at the Los Angeles County Hospital. This course is given in sections of seven students.

Prof. Browning and Assistants, 24 hours each section.

Course 12. *Senior Didactic Medical Tuberculosis.* One hour each week during the Senior year is devoted to didactic work in Medical Tuberculosis.

Prof. Pottenger.....36 hours

(b) PEDIATRICS

Course 1. Junior Class. *The Principles of Pediatrics.* A conference and didactic course comprising the anatomy, physiology and hygiene of infancy and childhood, and the dietetics of infancy, as a foundation for the work in the Senior Class.

Drs. Scott, Brandel and Bowers.....60 hours

COURSE 2. Senior Class Didactic and Recitative Instruction one hour each week.

Dr. Dietrich.....36 hours

COURSE 3. A bedside clinic and conference course at the Los Angeles County Hospital.

Topics, first trimester, The Dietetics of Infancy, Infant Feeding.

Dr. Dietrich, Thursdays, 10-12.....24 hours

Topics, second trimester, The Commoner Diseases of Infancy, Including Rickets, Scurvy, Congenital Syphilis, Tuberculosis and Infectious Diseases.

Dr. Dietrich, Thursdays, 10-12.....24 hours

(c) NERVOUS AND MENTAL DISEASES

COURSE 1. The course in Neurology and Psychiatry in the Junior year consists of lectures and clinics at the College Dispensary and County Hospital.

Prof. Fisher (36 hours didactic and 24 hours clinical instruction each section).

Total .....60 hours

COURSE 2. A course in *Pathology of the Nervous System* is given one hour each week during the second trimester and two hours each week during the third trimester of the Junior year.

Prof. Manger .....36 hours

COURSE 3. Senior Class. *Neurology.* Didactic and Recitative conference in *Diseases* of the Nervous System and Psychiatry.

Prof. Manger and Assistants.....72 hours

COURSE 4. Clinic and conference course in Diseases of the Nervous System and Psychiatry at the Los Angeles County and Psychopathic Hospitals.

Prof. Manger and Assistants, Thursday, third trimester, 24 hours.

(d) DERMATOLOGY

Dermatology, embracing within its scope Syphilography, has been taken from the Department of Genito-Urinary Diseases and placed in a separate department.

This course embraces one hour each week throughout the Senior year. The subject-matter covered will be the histo-pathology and bacteriology of the skin, the relations of diseases of the skin to other diseases and to other organs, the individual study of all cutaneous affections, and their diagnosis and latest methods of treatment, including X-ray therapy. The cutaneous manifestations of the various eruptive fevers, their diagnosis and

clinical values, will also be considered. Syphilis and its effects, direct and remote, upon healthy and diseased organs, together with the most modern methods of diagnosis and treatment, will be thoroughly studied throughout the year.

Assoc. Prof. Davidson (24 didactic hours, 24 clinic hours)

Total ..... 48 hours

(e) ROENTGENOLOGY AND ELECTROTHERAPY

Course 1. *Electricity.* One lecture a week will be given in the first half of the Senior year covering the source, characteristics, physiological action, and therapeutics of each of the electrical currents used in medicine.

Course 2. *Roentgenology.* Lectures and demonstrations during the last half of the Senior year will deal with the X-ray tube, transformers and accessories in their relation to practical radiography. Radium and Light will be included in the consideration of radiotherapy.

The class will have access to a complete X-ray laboratory. The apparatus for the Oudin, D'Arsonval, and Tesla high frequency currents, together with the usual wall plate equipment, will be available for demonstration throughout the year.

Prof. Soiland ..... 36 hours

(f) MEDICAL JURISPRUDENCE

Lectures will be given on the following subjects: Legal relations of physician to patient and patient to physician, including rights to compensation, collection of fees, malpractice; legal relation of physician to government, including government regulation of practice, power to protect public health, nuisances and their abatement, adulteration of foods; elementary general principles of law, knowledge of which frequently is required by and useful to physicians, including wills, estates of insane and deceased persons, crimes of violence, rights of children, negligence; legal aspects of mental disorders and diseases, including testamentary capacity, criminal responsibility of insane, alcoholism and drug addictions, legal incompetency to contract, care for and custody of insane; property rights of insane; personal injuries by violence (a) in civil damage cases, and (b) in criminal cases, including rules of evidence, medico-legal inspection, autopsies (a) to ascertain cause of death, and (b) to obtain evidence of manner of infliction, suicide; toxicology, sex perversions, pregnancy, disease and divorce; life and accident insurance; expert and opinion evidence, including the medical witness, his position, rights and duties.

Efforts will be made in this department to familiarize students with the proper methods of practice and procedure in all matters wherein the practitioner of medicine is likely to come in contact with the law or the gov-

ernment, and especially in that large class of cases where accurate knowledge of legal requirements is called for upon the instant. The lack of such knowledge frequently has enacted great embarrassment, both to the courts and to the medical profession.

George L. Greer, Attorney-at-Law.....36 hours

(g) HISTORY OF MEDICINE AND MEDICAL BIBLIOGRAPHY

Dr. P. C. Remondino of San Diego, Cal., will deliver, during the session of 1916-17, a series of lectures to the entire student body upon that most interesting and instructive topic, History of Medicine and Medical Bibliography. This subject has been added to and made a part of the curriculum of this College. Dr. Remondino has been selected to present this course, he being a man of finished scholarly attainments, and his inherent ability, together with his broad and comprehensive knowledge of this subject, the results of a lifelong study and research into the seemingly impenetrable mysteries of the history of medicine, is an evidence of his peculiar fitness to make this course interesting and instructive. During the coming year Dr. Remondino will begin his course with a lecture on the medicine of the ancient Arcadians, during which he will trace by the similarity of their Shaminic medicine, the ancient race relationship existing between the Laplander of Northern Europe and the ancient Tauranian races that once inhabited the plains and mountains of Babylonia. Following this, the medicine of the Aboriginal American, Oceanic and African Tribes will form the subject of the next lectures, during which the enlightened state of the medicine of the Malayan Indians of Yucatan will be traced in its origin to early Egyptian sources. The next lectures will be devoted to the elucidation of the states of Egyptian, Hindoo and Greek medicine prior to its pre-Hippocratic era. Then will follow the Hippocratic and Alexandrian, the Roman and the Arabian, with the period of Renaissance in Europe in the Sixteenth Century. In fact, a review of Medicine from the earliest possible obtainable history down to and including the present, will be given.

The above outline of the course will suffice to call the attention of the student along these lines to the opportunities offered here in this too oft neglected department. We believe that the broad-minded, up-to-date medical man should know at least something of the history of his profession.

Dr. Remondino.....6 hours

(h) LIFE INSURANCE EXAMINATION

A series of lectures will be given to the Junior class on Life Insurance Examination.

Dr. McDonald.....6 hours

(i) MEDICAL ETHICS AND ECONOMICS

This college, in keeping pace with the advancements being made in medical teaching and training, has adopted the recommendation of the Educational Council of the American Medical Association and added to its curriculum a department of Medical Ethics and Economics. The young man or woman taking a degree from a medical institution must go forth, usually illy prepared, to take and to occupy that high position and place in the professional and business world that should be expected of them. This course will consist of twelve lectures to the Senior class during the third trimester upon the fundamental business principles so essential to the success of the young practitioner, the duties of the medical man to himself, to his confreres, to his patients, and to the public at large, the relation that should exist between the medical man and the druggist, the Church, and the State, etc., etc. This course will aim to inculcate into the mind of the student that broad spirit of altruism which should regulate and control the relations existing between mankind. This course will embrace and set forth that true spirit of fraternization that should permeate the ranks of the medical profession, that spirit of brotherly love, which seems to have been forgotten by the medical fraternity in its onward and rapid progress. The basic principles of organization and unity will be outlined, and, in fact, medical sociology will be woven into a strong and durable fabric which we believe will redound greatly to the future benefit of those who go out into the world, to accomplish better things by better methods.

Profs. Bryson and Seymour.....12 hours

Text Books: *Medicine.*

Practice: Anders; Osler; Tyson; Edwards; Manson, Jackson, Herchfelder.

Diagnosis: Butler (for Sophomores); Osler; Butler; Emerson; Anders-Boston; Cabot's Diseases of the Blood; Todd's Manual of Clinical Diagnosis; Da-Costa; C. B. Slade, "Physical Examination and Diagnosis"; Musser.

Pediatrics

Rachford; Rurah; Grulee.

Collateral reading: Rotch; Koplik; Chapin; Jacobi; Kerr; Kerley; Pfaundler and Schlossman; Holt.

Neurology and Psychiatry

Dana; Starr; Church and Peterson; Pott's "Nervous and Mental Diseases."

Dermatology

Stelwagon; Pusey; Schamberg.

Electro-Therapeutics

Potts, Electricity, Medical and Surgical; McIntosh, Practical Hand-Book of Medical Electricity.

Medical Jurisprudence

Draper; Witthaus and Becker Forensic; "Medicine and Toxicology," Peterson and Haines.

DIVISION VII. SURGERY AND SURGICAL SPECIALTIES.

JAMES HARVEY SEYMOUR, M.D., *Professor of Surgery and Clinical Surgery.*

ORVILLE O. WITHERBEE, M.D., *Professor of Surgery and Clinical Surgery.*

CHARLES WILLIAM BRYSON, A.B., M.D., *Professor of Abdominal and Clinical Surgery.*

WILLIAM LEANDER ZUILL, M.D., *Professor of Otology, Laryngology and Rhinology.*

THOMAS JEFFERSON MCCOY, M.D., *Professor of Ophthalmology.*

JOHN JOHNSON KYLE, B.S., M.D., *Professor of Otology, Laryngology and Rhinology.*

CHARLES H. WHITMAN, M.D., *Professor of Clinical Surgery.*

FITCH C. E. MATTISON, M.D., *Professor of Surgery.*

W. W. RICHARDSON, M.D., *Professor of Surgery.*

GEORGE JESSE LUND, M.D., *Associate Professor of Otology, Laryngology and Rhinology.*

GEORGE WASHINGTON MCCOY, A.M,. M.D., *Associate Professor of Ophthalmology.*

P. C. H. PAHL, M.D., *Associate Professor of Orthopedic Surgery, Fractures and Dislocations.*

WALTER LESLIE HUGGINS, PH.B., M.D., *Associate Professor of Surgery.*

W. H. KIGER, M.D., *Lecturer on Proctology.*

CHARLES EATON PHILLIPS, A.B., M.D., *Assistant Professor of Surgery.*

HARLAN SHOEMAKER, A.B., M.D.
FRED E. LETTICE, M.D.
A. T. CHARLTON, A.B., M.D.
L. G. AVERY, A.B., M.D.
C. H. CRILEY, PH.B., M.D.
ANDREW P. WILSON, M.D.
} *Lecturers on Surgery.*

C. F. NELSON, M.D.
WM. H. GILBERT, M.D.
L. LORE RIGGIN, PH.B., M.D.
CHAS. S. YOUNG, M.D.
F. K. COLLINS, M.D.
W. A. MORRISON, A.B., M.D.
} *Instructors in Surgery.*

ROSS A. HARRIS, M.D., *Instructor in Ophthalmology.*

SIMON H. JESBERG, M.D., *Instructor in Diseases of Eye, Ear, Nose and Throat.*

(a) SURGERY

The course of teaching in this department embraces both didactic and clinical methods and consists of the following:

Course 1. *Minor Surgery and Bandaging.* Two hours each week during the last semester of the Sophomore year will be devoted to Minor Surgery and Bandaging, together with the general principles of Anaesthesia. Minor Surgery, in its broadest sense, as taught in the Sophomore year, will lay the foundation for the Junior and Senior Surgical courses. Anaesthesia, that most reliable and dependable adjunct to the field of operative, surgical science, will be treated minutely, broadly and comprehensively to round out the Sophomore's ideas and knowledge of these subjects as a foundation.

Dr. Avery.....36 hours

Course 2. *Junior Surgery.* In the Junior year a thorough and systematic course is given in the fundamental and basic principles of Surgery. This course is conducted along the lines which have proved the most satisfactory and thorough in the up-to-date and foremost medical institutions throughout the country, and consists in lectures, recitations, quizzes, ward walks, close bedside demonstrations and instruction, history writing, case taking, and the actual participation in the treatment and management of all varieties of surgical conditions. This Junior work would not be complete without the postmortem study of various cases that have been under observation in ward and clinic. The Junior Class is divided into sections. Clinical material is abundant in all departments, and each student in each section in each department receives ample personal and the very best collective instruction.

Didactic:

Drs. Huggins, Phillips and Shoemaker (108 hours);

Clinical:

Drs. Huggins, Shoemaker, Phillips, Criley, Wilson, Avery, Mackenzie, Riggin, Young and Nelson (96 hours).

Total .....204 hours

Course 3. *Fractures and Dislocations* is taught during the Junior year. In this course the didactic and mechanical instruction is supplemented by bedside observation at both the college clinic and in the wards of the County Hospital. Here are taught and shown the latest methods in treatment of fractures and dislocations, the adjustment of splints, the application of plaster casts, jackets, and other appliances.

Dr. Lettice.....36 hours

COURSE 4. *Proctology.* Clinical material is abundant, and clinics are conducted at the County Hospital regularly, and will include digital, proctoscopic examinations and operative work, with sufficient didactic and recitative hours to round out the course in this too often neglected surgical specialty.

Dr. Kiger (18 didactic hours, Junior year; 24 clinical hours Senior year).

COURSE 5. The course in *Senior Surgery* is designed to be essentially an operative one, covering the entire range of General Surgery, and will be conducted four mornings each week, from 8 to 10 a. m., in the General Operative Amphitheater at the County Hospital. This clinic is for Senior students and will embrace within its scope not only the surgical technique along with the surgical procedures, but will include the pre- and post-operative management of each case presented. It is presumed that the student has been trained in his Sophomore and Junior years in the fundamentals; that the foundation has been lain broad and firm in his course, and that his mind is receptive to the pre-conditions, the operative technique and the post-operative procedures and conditions, together with the things to be avoided and the dangers to be looked for and dreaded along the lines of this work. The Senior students are also working in college clinic and in Out-Patient department, and when the student finishes his work here in this school he has had proper training and his foundation is broad and ample. This clinic course is interspersed with didactic, recitative and quiz periods, which serves to round out the course in the most adequate manner.

DIDACTIC:

Prof. Seymour.....72 hours

CLINICAL:

Profs. Seymour, Witherbee, Mattison and Richardson, 216 hours.

Total .....288 hours

(b) ORTHOPEDIC SURGERY

Orthopedic Surgery is given throughout the Junior year, and consists of didactic work, with extensive clinical demonstration two hours each week at the County Hospital. This course will include instruction in the application and adjustment of orthopedic apparatus; the theory and practice of the treatment of tubercular bone disease by mechanical means, and by the hygienic-dietetic treatment; the treatment of scoliosis by Abbot's correction, jackets and felt pads, gymnastics, electricity, and massage; treatment of talipes and flat-foot; the management of infantile paralysis; and practical work in the plaster room as well as operative hospital work.

Dr. Pahl (36 didactic hours, 24 clinic hours each section).

Total .....60 hours

(c) GENITO-URINARY DISEASES

This course comprises a series of lectures and clinical demonstrations throughout the Senior year, and is limited to Senior students.

In the didactic course, the anatomy, histology, embryology and physiology of the entire genito-urinary tract is reviewed, such time being spent on this as to insure a thorough knowledge of the fundamental principle of this subject, and then the diseases of the various organs are taken up separately, special attention being given to the pathological changes and their diagnosis.

The operative procedures are taught on the cadaver, and the students are required to go through the various steps of each operation under the guidance of the instructor.

The diagnosis is gone into with each pathological condition as it is being studied, but, preliminary to this, special instruction is given in palpation and percussion and various other methods pertaining to genito-urinary diseases in general, individual instruction being given in the use of the cytoscope, urethroscope and catherterization of ureters, etc. These lectures will be illustrated by a series of clinical demonstrations upon material from the College Clinic and at the County Hospital.

Drs. Dakin and Rosenkranz (36 didactic hours, 24 clinic hours each section).

Total .....60 hours

(d) OTOLOGY, LARYNGOLOGY AND RHINOLOGY

The work in this department is so arranged as to give the student the broadest possible acquaintance with the clinical side of this subject. This is done by dividing the class into sections so that each section will have three hours of clinical work in the College Dispensary in addition to the County Hospital work.

The didactic work of the department consists of one lecture hour each week in addition to frequent recitations and reviews. The student has every opportunity to familiarize himself thoroughly with all the practical details of this subject, and his knowledge of the subject taught is frequently tested by both oral and written reviews.

The didactic course begins with a careful review of the Anatomical details of the Ear, Nose and Throat and their accessory sinuses. Second, the influences of general diseases upon these special organs, and also the influence which diseases of these organs exert upon the general condition and health of the patient. Third, methods of examination of these organs and special consideration of the diseases affecting them. Fourth, a careful study of the diseases of the accessory sinuses. Fifth, operations.

Profs. Zuill and Kyle and Assoc. Prof. Lund (36 didactic hours, 24 clinical hours each section).

Total .....60 hours

(e) OPHTHALMOLOGY

This course on diseases of the eye will consist of one didactic hour each week in the Junior year, and two clinical hours per week in the Senior year, illustrated by the disease in the patient, by charts and blackboard drawings. Minor operations are performed before the class at the College Clinic, and major operations at the County Hospital. Ample material is presented at both clinics. Practical instructions on the eye are given in general, the recognition, differentiation and treatment of the common, as well as the complicated diseases and injuries, the principles and clinical instructions on refraction, the uses of the ophthalmoscope, the recognition of diseases of the eye as diagnostic of disease in remote organs. Much effort is made in the teaching of this subject to make it interesting and impressive to the student.

Prof. Thos. J. McCoy and Assoc. Prof. George W. McCoy
(36 didactic hours, 24 clinic hours each section).

Total .....60 hours

TEXT BOOKS: *General Surgery*

DaCosta; Wyeth; Lexer-Bevan; Scudder's Treatment of Fractures; Stimson on Fractures and Dislocations; Bryan's Principles of Surgery.

Operative Surgery: Bryant; Bickham; Treaves; Keen.

Minor Surgery: Foote; "Bandaging" by Whiting.

Orthopedic Surgery

Whitman; Bradford and Lovett; Young; Willard.

Genito-Urinary Diseases

No one text book is followed in the course, but the students of this branch are recommended to buy various texts, and thereby the class has the advantage of the different authors writing on this subject.

Works recommended: Casper; Kreissel; Fynger; Corner; Keyes; White and Martin; Morrow's System; Deaver's Diseases of the Prostate Gland; and various texts on Anatomy, Histology and Embryology used in other departments of the school.

Otology, Laryngology and Rhinology

The collateral reading advised on this subject is such works as D. Braden Kyle, "Diseases of Nose and Throat"; J. J. Kyle, 3rd Edition, "Diseases of Ear, Nose and Throat"; Bishop on "Diseases of the Nose, Throat and Ear"; Bacon on "Otology"; Barnhill-Wales, Modern Otology; Packard, Diseases of Nose, Throat and Ear.

Ophthalmology

May; Fox; De Schweinitz, or Fuchs.

DIVISION VIII. OBSTETRICS, GYNECOLOGY AND ABDOMINAL SURGERY

Charles William Bryson, A.B., M.D., *Professor of Gynecology, Abdominal and Clinical Surgery.*
Lyle Gillette McNeile, M.D., *Professor of Obstetrics.*
Henry E. Southworth, M.D., *Associate Professor of Gynecology.*
Henry W. Howard, M.D., *Assistant Professor of Gynecology.*
Phil Boller, A.B., M.D., *Lecturer on Gynecology.*
M. G. Varian, M.D.
A. J. Downs, M.D. } *Instructors in Gynecology.*
Edgar Allen, M.D.
A. A. Blatherwick, M.D.
L. E. Thayer, M.D.
L. F. Luckie, M.D. } ***Instructors in Obstetrics.***

(a) OBSTETRICS

Course 1. *Junior Didactic Obstetrics.* Instruction in Obstetrics is begun in the third year, and is carried on by means of didactic lectures, recitations and demonstrations, upon the manikin and living subject; by the use of charts, wet and dry specimens, models and pelves.

The subject matter during this year embraces the anatomy of the pelvis, physiology, and development of the ovum, normal pregnancy, normal labor and normal puerpery.

Didactic:
Prof. McNeile (12 hours), Dr. Allen (96 hours).

Clinical:
Dr. McNeile (24 hours).

Total ..... 132 hours

Course 2. *Senior Didactic Obstetrics.* Lectures and recitations are continued during the fourth year, at which time the complications and difficulties liable to be encountered in the practice of the science and art of obstetrics are successively considered, viz., abnormal pregnancy, dystocia, and abnormal puerpera. Special attention is given to asepsis, external palpation, pelvimetry, the use of forceps, and the different obstetric operations. The maternity wards of the County Hospital and the many charitable cases coming under the care of this department afford ample material for practical demonstration, thus giving the student a thorough working knowledge of the subject.

Prof. McNeile..... 72 hours

Course 3. *Senior Clinical Obstetrics.* Students in their fourth year are assigned in rotation to the Obstetric Dispensary, where they remain in

residence for two weeks. The Dispensary is located in the most thickly populated district of Los Angeles, and annually handles from three hundred to five hundred confinement cases. During his residence the student personally examines all women applying for care during confinement, and is carefully instructed in ante-partum care, pelvimetry, and blood pressure estimates during pregnancy. Each student conducts from twelve to fifteen labors, under the supervision of the Obstetric Attending Staff, and witnesses from twenty to fifty labors in the clinics of the Dispensary, County Hospital and other allied institutions. After delivery the student visits the mother and babe each day for ten days, accustoming himself to the care of normal cases, and early recognition of abnormal conditions. The student is taught a definite and minute aseptic technique and system in obstetric work, all of his work being done under the immediate supervision of the Professor and his assistants.

During his service the student also attends the Obstetrical Clinics held weekly at each of our stations. At these stations over thirty ante-partum and post-partum cases are examined each week. Under careful supervision the student examines each case, recording his findings on a standard obstetrical history sheet. In the clinics special attention is given to internal and external pelvimetry, accurate diagnosis of presentation and position, diagnosis and treatment of the complications arising during pregnancy, and careful final examination of patients who have been recently delivered by the Department.

(b) GYNECOLOGY AND ABDOMINAL SURGERY

COURSE 1. *Junior Gynecology.* This course is given to the Junior Class in amphitheatre, college and hospital clinics, and consists of lectures, recitations, manikin, chart and drawing demonstrations, dispensary work and bedside and ward clinics at the County Hospital. The Junior Class is divided into sections, under competent instructors, and are required to write histories, examine patients, suggest diagnosis, treatment and management in individual cases, go over again the anatomy and physiology of the female generative plexus, are taken over and over again the etiology of diseases they see, and thus have the foundation of Gynecology lain broadly and well. This course prepares the student for work given in the Senior year.

Assoc. Prof. Southworth (36 didactic hours, 24 clinic hours each section).

Total ..... 60 hours

COURSE 2. *Senior Clinical Gynecology and Abdominal Surgery.* This course is given at the County Hospital and consists of two hours each

week in the Surgical Operating Amphitheatre, where the entire class witness and have explained to them minutely the different methods and the various technique, as well as the post-operative care of patients. Students will be divided into small classes, the better to enable them to witness closely the technique of examinations and manipulations.

Prof. Bryson.....72 clinic hours

Course 3. *Senior Clinical Gynecology.* While in the clinics at the College Dispensary, students are required to examine, diagnose and treat patients in the presence of the professor in charge, in order to become proficient in gynecological diagnosis and treatment. In thus bringing the student in close personal relation with a large number and variety of cases, he familiarizes himself with the different methods of examining patients, and at the same time he becomes accustomed to making diagnoses and formulating treatment, as well as witnessing closely and assisting at all of the minor and major operations in gynecology and abdominal surgery. Diseases of the bladder and urethra will be thoroughly covered in this department and their medical and surgical treatment outlined and demonstrated. Methods of inspection and examination will be taught by the use of charts and manikins, as well as upon living subjects. The practical manipulation and use of the cystoscope will be shown first upon bladder phantoms, then upon the living subject in the Clinical Department. A thorough theoretical as well as practical knowledge of Gynecology and Abdominal Surgery in its broadest scope is a prerequisite to graduation from this college, and every opportunity will be offered the student to prepare himself for the arduous duties that will come to him in his professional career.

Course 4. *Senior Didactic Gynecology and Abdominal Surgery.* In order to make complete this course and round out the student's knowledge of the important subject of Gynecology and Abdominal Surgery, two hours each week will be devoted to lectures and recitations in the College Amphitheatre to the Senior class upon the more fundamental subjects embraced in this department. This course will be illustrated by charts, drawings, models and projectoscope, and will embrace important matters, detail measures and methods that cannot be given for lack of time in the Clinic Operating Amphitheatre. There are many basic essentials, which I maintain the properly equipped young graduate must have, and which must be given in these didactic conferences. Why? Because at a clinic period when several major cases must be operated, TIME is a valuable asset, the safety of the patients calls for rapid action, and many essentials are necessarily passed over. If the eye can see at the same time the ear hears, it is well; but, to see without fully understanding is sometimes confusing; therefore this course of seventy-two hours illustrative conferences to round out the course.

Prof. Bryson (72 didactic hours, 72 clinical hours).

Total ..... 144 hours

TEXT BOOKS: *Obstetrics*

De Lee; Cragin; Williams; Edgar.

Gynecology and Abdominal Surgery

Ashton; Gilliam; Montgomery; Dudley; Reed; Crossen; Kelly's Operative Gynecology; Surgical Diseases of Abdomen, by Douglas; Abdominal Operations, by Moynihan.

PART VII.

ROSTER OF STUDENTS GRADUATES, 1916 ALUMNI

CATALOGUE OF STUDENTS

SESSION 1915-16

SENIORS

Benson, Carl Bennett
Chung, Margaret Jessie
Cleeves, Montague (B.S.)
Coleman, Stuart Napoleon
Davis, Harry Herman
Dorn, Norman Francis
Felch, Harry Justin
Feldman, Abraham (A.B.)
Gummess, Karl Chester
Harris, Gilbert Franklin
Jacobson, Harry Pincus
Josephs, Louis
Lund, Le Val
Mitchell, Harry Bolton
Monteleone, Joseph (A.B.)
Moore, James Russell (A.B.)
Nielsen, Harold Westring
Rood, Vernon Voorhees
Saverin, Arnold Egard
Saylin, Joseph
Schaefer, John Hugo
Scholl, Agnes Julia (A.B.)
Schwartz, Joseph Leon
Smith, Joseph Kent

JUNIORS

Anderson, James Fleming
Andrews, Nina Wilhelmina
Beggs, James Henry
Breslin, Frank Jerome (B.L.)
Brown, Charles W.
Carson, William George
Conway, M. W. (A.B., Ph.G.)
Coodley, Oscar
Cox, Edward Rochford
Cunnane, Thos. Bartholomew
Fehrensen, Gail
Fosdick, Mildred E. (A.M.)
Frank, Frances Pearl
Guidinger, William Emaniel
Higginbotham, Gordon W.
Hoffman, Philip Block
Hubbard, Henry DeWitt
Hutchinson, William Wilson
Judge, William Donald
Judy, Arthur Sinclair
Kaufman, Morris Philip
Levin, Harry
Lupton, Earl Lane
Marsden, Samuel Arthur
Mellman, Clarence
Moody, Earl Egbert (A.B.)
Morrison, Maude Leontine
McCoy, Earl Tucker

JUNIORS (Cont.)

McClurkin, Arthur Archibald
McDonald, Thomas Gregory
McLaughlin, James Henry
McNealy, Mrs. Frances Evelyn
Norton, Archie Angus
Paulson, Archie Martin
Pierce, Sterling Newton
Ramsey, Robert Ewart (A.M.)
Renfrew, John Beatty
Robinson, Charles A. (B.A.)
Rynin, Simon Solomons
Schenck, George F.
Shea, John Russell
Suski, Peter M.
Swancott, John
Swartz, Bret Albert
Taylor, Frank Wm. Howard
Wallace, Guy (A.B.)
Wells, Mrs. Maria Christina
Whitlow, Leslie Willis
Wilson, Clair

SOPHOMORES

Annon, Walter Thomas
Baron, Peter Paul
Biorkman, Claes Gustav A.
Chapin, Charles Cox (B.L.)
Cochran, Richard Cocks
Daly, Edward Joseph, Jr.
Felsenthal, Louis (D.D.S.)
Germon, Pierre Joseph
Grant, Garnet Berke (B.S.)
Hill, Jack Charles
Kessler, Ernest E. (A.B.)
Larson, Edwin
Leonard, A. T., Jr. (A.B., B.S.)
Murphy, William Roe (B.S.)
Ryan, Clark David
Schwartz, Edward Isador
Shea, George Clement
Smith, Arthur Wells (A.M.)
Swantek, Casemyra
Talbott, William Thompson
Thompson, Harry Douglas
Tice, Eldon Webb (A.B.)
Waters, Zura Orthello

FRESHMEN

Bagalawis, T. I.
Bailey, Charles Albert
Beckett, Wilbur Archer
Berman, Phoebus
Bertie, William James (B.S.)
Bowers, William Sidney
Brown, J. Holmes
Chapman, James Lowell
Conaty, Joseph Aloysius, Jr.
Craig, Stephen A. (A.B.)
Damron, Milton Herbert
Dupree, Frederick F. (B.S.)
Farrell, Joseph Webster
Forster, Neslen K. (A.B.)
Friend, Robert Sherman
Godshall, Leon Deane
Herzikopf, Sam Sidney
Hobbs, Allen Thurman
Hohanshelt, Anna S. (A.B.)
Jenkins, Rayel B. (A.B.)
Johnson, Elmer H. (B.S.)
Kaplan, Max
Kintzi, Erwin Julius
Larson, John A. (A.M.)
Leven, Aaron Samuel
Lopizich, Ivo John

FRESHMEN (Cont.)

Nider, Gerald Knowlton
Otto, Lucie Ernestine
Saunders, Cecil Allen
Savage, Emerson Clark
Schwarke, Katherine
Smith, Gerald Fredoline
Smith, Munford
Spencer, Reuel Madison
Stark, Leander William
Steele, Mark Twain
Sutton, Irwin Coleman, Jr.
Torgerson, Ina Sophia
Van Fleet, Harry Darwin
Viko, Louis Eindred
Viole, Pierre Paul
Walker, Richard Earl
Watkins, John Frank
Wescott, Virgil
Wilson, Theodore Roland
Wing, Harold Stanley
Zeiler, Joe

SPECIAL

Cooke, Harry Theodore (Special Senior)
Farmer, Leora
Fox, George Francis, Jr.
Sclanker, John Edwin (Special Sphomore)
Whitlow, Leslie Willis

POST-GRADUATE

Caven, Evangeline (M.D.)
Karaki, Y. (M.D.)
Kuroiwa, D. (M.D.)
Maronde, J. A. (M.D.)

TOTAL NUMBER OF STUDENTS ENROLLED

Fourth year	24
Third year	48
Second year	21
First year	47
Special	5
Post-Graduate	4
Total number enrolled, session 1915-16	149

GRADUATES

Benson, Carl Bennett
Chung, Margaret Jessie
Cleeves, Montague (B.S.)
Coleman, Stuart Napoleon
Davis, Harry Herman
Dorn, Norman Francis
Felch, Harry Justin
Feldman, Abraham (A.B.)
Gummess, Karl Chester
Harris, Gilbert Franklin
Jacobson, Harry Pincus
Josephs, Louis
Lund, LeVal
Monteleone, Joseph (A.B.)

GRADUATES (Cont.)

Moore, James Russell (A.B.)
Nielsen, Harold Westring
Rood, Vernon Voorhees
Saverien, Arnold Egard
Saylin, Joseph
Schaefer, John Hugo
Scholl, Agnes Julia (A.B.)
Schwartz, Joseph Leon
Smith, Joseph Kent

Total number of graduates, session 1915-16..... 23

The following named graduates of the Class of 1916 have secured and will fill interneships in the hospitals mentioned below:

Benson, Carl Bennett.....Maternity Cottage, Los Angeles, Cal.
Cleeves, Montague (B.S.).....County Hospital, Los Angeles, Cal.
Davis, Harry Herman .....Mary's Help Hospital, San Francisco, Cal.
Dorn, Norman Francis .....County Hospital, Los Angeles, Cal.
Felch, Harry Justin.....Mary's Help Hospital, San Francisco, Cal.
Feldman, Abraham (A.B.).....County Hospital, Los Angeles, Cal.
Gummess, Karl Chester.....County Hospital, Los Angeles, Cal.
Harris, Gilbert Franklin.....County Hospital, San Diego, Cal.
Josephs, Louis .....County Hospital, Los Angeles, Cal.
Lund, LeVal .....County Hospital, Los Angeles, Cal.
Monteleone, Joseph (A.B.).....County Hospital, Los Angeles, Cal.
Moore, James Russell .....Cananea Cons. Copper Co., Cananea, Sonora, Mexico.
Nielsen, Harold Westring.....County Hospital, Los Angeles, Cal.
Saverien, Arnold Egard.....County Hospital, Los Angeles, Cal.
Saylin, Joseph.....County Hospital, Los Angeles, Cal.
Schwartz, Joseph Leon .....County Hospital, Los Angeles, Cal.
Smith, Joseph Kent.....County Hospital, Los Angeles, Cal.

Other members of the class are accepting interneships in other hospitals.

PRIZES AWARDED, SESSION 1915-16

The following prizes were awarded at Commencement Exercises:

The Faculty prize, an engraved gold medal, for the member of the Senior Class obtaining the highest general average in the final examinations, was awarded to JOSEPH MONTELEONE, A.B.

The Faculty prize, an engraved gold medal, for the member of the Junior class obtaining the highest general average in the final examinations, (not known at time catalogue went to press).

The Faculty prize, an engraved gold medal, for the member of the Sophomore Class obtaining the highest general average in the final examinations, was awarded to ELDON WEBB TICE, A.B.

The Faculty prize, an engraved gold medal, for the member of the Freshman Class obtaining the highest general average in the final examinations, was awarded to PHOEBUS BERMAN.

The Special James H. Seymour prize, an engraved gold medal, for the member of the Senior Class obtaining the highest general average in Surgery in the finals, was awarded to KARL CHESTER GUMMESS.

The Special Charles W. Bryson prize, an engraved gold medal, for the member of the Senior Class obtaining the highest general average in Gynecology and Abdominal Surgery in the finals, was awarded to AGNES JULIA SCHOLL.

ALUMNI

From 1888 to 1909, graduated under the title of "College of Medicine, University of Southern California."

Since 1909, graduated under title of "College of Physicians and Surgeons, Medical Department, University of Southern California."

†Graduates of "College of Physicians and Surgeons of Los Angeles" before consolidation with University of Southern California.

*Deceased.

Abramson, Max Jacobs....1911
Allen, Addie Brown....1910
Allen, Carlton S....1909
Allen, T. M....1903
Ammann, Francis Xavier....1912
Anton, Francis L....1899
Armstrong, M. M....1902
Atkinson, Charles Edwin....1907
Avery, Lewis Gorton....1913

Bagg, Charles P....1888
Bahrenburg, G. E....1903
Ballard, John William, Jr....1914
Bames, Otto....1913
†Barham, Frank Forrest....1906
Barnhart, W. 1906
Bayley, W. 1905
Beardslee, Arthur 1907
Beck, Horace Richard....1914
Becker, Max A....1900
Beckett, W. W....1888
Bell, Frank, Jr....1913
Benson, Carl Bennett....1916
Berger, B. D....1903
Bewley, Marietta H....1900
Bishop, Frank Crowell....1914
Blake, Wendell Phillipps....1913
Blanchar, William Otis....1913
*Blaney, C. H....1904
Bledsoe, W. C., Jr....1903
Boal, C. D....1901
Boigelot, Andre....1908
Boller, Phil (A.B.)....1911
Bonoff, Karl Marx....1914
Boody, Fred Joseph....1913
Bowers, Chester Herbert(A.M.)..1913
Boyd, Leslie C....1900
Boyd, Wilbur Travis....1911
Boyer, John Ira....1912
Bradley, Edward R....1888
Bresee, Melvin A....1896
Bresee, Paul H....1892
Bristol, S. A....1906
Brown, Archibald R....1907
Brown, F. H....1904
Brown, Ira E....1904
Brown, J. C....1905
Brown, L. J....1904
†Brown, Newbern Nuckells....1905
†Brown, Newell Jonathan, Jr....1905
Brown, T. F....1901
Bullard, Frank D. (A.M.)....1888

Burk, Earl Elihu (A.B.) 1914
Burtt, L. W. 1905
Butterfield, Amelia 1907
†Byron, Ralph Louis 1908

Cahen, Caesar G. 1908
Cahen, Edmond 1908
†Cain, Luther Mason 1905
Campbell, George W. 1889
Campbell, Robert A. 1894
Carlson, Arthur Charles 1910
Carter, Clarence Lamar 1915
Carter, Nelson 1903
Carter, Ray Alden (A.M.) 1913
†Carter, William Elmer 1908
Caven, Charles Lee 1896
Caven, Evangeline Rowe 1898
Chadwick, Benjamin Cole 1914
Chaffin, Rafe Chester 1907
Chamberlain, H. H. 1906
Chambers, Flora 1907
Charleston, Vernon Claude 1912
Chase, Frank Hernon 1915
Chase, Raymond E. 1901
Chiapella, J. O. 1905
Chung, Margaret Jessie 1916
Clair, F. 1905
Clark, Isaac Frederic 1912
Claypool, E. J. 1904
Cleeves, Montague 1916
Clinton, Edwin Morenhout 1910
Close, Katherine Margaret 1914
Cocke, John Vinton 1911
Coffey, Titian James 1898
Colburn, Iola M. 1895
Coleman, Barney Ellerton 1915
Coleman, Stuart Napoleon 1916
Collins, Ebert Caleb 1912
Cook, Clarence W. 1908
Cook, Edward J. 1897
Cook, John B. 1890
Cook, J. L. 1905
*Cory, Henry Manning (A.B.) 1898
Cowan, James R. 1909
Cowell, I. 1906
Cox, Roy Milo 1914
Coy, Louis Milton 1915
Craig, John Bryan (A.B.) 1914
Crawford, Olive 1913
Crise, B. 1903
†Cummins, Thomas James 1908
Cunnane, Philip John 1914

Dakin, Wirt B. 1908
Daniel, William Hardy 1915
Davey, Edgar Charles 1912
*†Davis, William Oliver 1908
Davis, Harry Herman 1916
Dawley, G. G. 1903
Day, Robert V. 1897
Deakin, Stanley McClure 1912
Decker, C. W. 1906
Deering, W. E. 1902
Dennis, Mary E. 1897
DeVille, Leon 1911
Dieterle, Karl Lional 1914
Dillingham, Frank S. 1900
Dillon, E. T. 1901
Doak, Thomas C. 1908
Dodge, William Wallace 1915
Domann, Arthur Henry 1911
Dorn, Norman Francis 1916
Dudley, W. O. 1906
Duncan, Rex D. 1909
Dunsmoor, John M. 1900
Dunsmoor, Nannie C. 1900
Dunsmoor, Robert Morris 1913
Dunton, Wallace A. 1892
Dwight, Wilder 1896
Dwire, F. B. 1906

Eisen, Edward George 1914
Ellinwood, Lathrop 1909
Elliot, Carroll C. (A.B.) 1907
Ellis, H. Burt (B.A.) 1888
Ellis, Lula Talbot 1888
Ellis, Melvin 1909
Emmons, Calvert L. 1908
Eversole, Henry O. 1908

Fairchild, F. D. 1906
Fales, J. E. 1906
Farnsworth, D. C. 1906
Farwell, Mrs. Margaret Withey 1915
Fearon, William Max 1913
Felch, Miner Frank 1913
Felch, Harry Justin 1916
Feldman, Abraham (A.B.) 1916
Felger, Louie 1914
Ferbert, John C. 1897
Ferry, F. 1903
Field, A. M. (A.M.) 1903
Fielding, G. A. 1902
Filz, F. L. 1903
Findheisen, R. 1901
Finley, Theodore G. 1908

Fisher, Charles Albert....1913
Fisher, Ward Lyford....1914
Flagg, Don Perley....1909
Flinn, Homer John....1912
Foster, C. W....1903
Foster, Percy Ashley....1915
Fox, Warren Franklin....1913
Foye, Frank Alonzo....1912
France, Gerald D....1913
Frank, M. A. S....1908
Franklin, B. F....1901
Fraser, Alexander T....1897
French, C. E....1902
French, J. R....1906
Friedman, C. 1903

Gaebe, O. C....1905
Gage, Clifton Earl....1910
Garcelon, H....1904
Germann, Albert Carl....1915
Garrett, Edward H....1899
Genung, Mabel A....1911
Gibbs, R. S....1901
Ginsburg, Samuel Simon....1913
Givens, Alice M....1891
Goodale, Robert H....1907
Goodrich, C. E....1903
Gough, Albert Sidney....1915
Gowan, J. S....1903
Graham, Chas. M....1908
Griffith, R. B....1904
Griggs, Zenora S....1899
Gummess, Karl Chester 1916

Hackett, Earl Charles....1915
Hagadorn, J. Lee....1893
Hagadorn, Mary E....1892
Hagan, Ralph....1895
Hale, Nathan George....1914
†Hall, Edwin Hines....1908
Hall, J. H....1905
Hall, James S....1900
Hall, William Ethelbert....1912
Ham, J. Garfield....1907
Hammond, Nettie E....1896
Hardie, Wallace Bonton....1915
Harding, Henry Wilbur....1914
Harris, Gilbert Franklin 1916
Hart, John Franklin....1912
Hastings, Seman W....1908
Hasty, Ella Mercy....1912
Haviland, Clarence M....1894
Hawkins, George Agustus....1895
Hayes, Charles A....1900
Hayes, N. S....1904
Hegardt, Mrs. Nelle F. M....1914
Henry, Joseph W....1897
†Herendeen, Ralph Eugene....1909
Hibben, John Severy....1914
Hicks, W. W....1902
Hill, Walter B....1909
Hiller, Albert W....1909
Hipsh, J. F....1906
Hitt, Samuel M....1890
Hoare, Harry James 1910
Hoch (Hay), E. O....1902
Holden, Joseph M....1899
†Holgate, Charles Ernest....1908
Holleran, James F....1908
Holleran, Walter M. (M.S.)....1914
Hollingsworth, L. D....1905
Holt, Rufus Andrew, Jr....1915
Horstmann, Elsa H....1908
Horton, Jesse Chrisman....1914
Howson, Carl Robert....1913
Huff, L. J....1905
Huggins, Walter L. (Ph.B.)....1908
Hull, F. E. 1908
Huntoon, Harry A....1908
Hull, Foster Miller....1912
Hutchins, Fanny Collins....1893

Iland, Minnie....1907

Jacobson, Harry Pincus 1916
Jackson, Arthur H....1907
Jackson, J. A....1903
Jackson, Louis Harris....1915
Jenks, C. A....1903
Jenkins, H. D....1904
Jenkins, J. E....1903
Jesberg, Simon Henry....1913
Johnson (Hayes), Alice S....1901
Johnson, Silas F....1894
Jones, A. H....1908
†Jones, Edward Douglass....1907
Josephs, Louis 1916

Keep, Frederica A....1900
Keith, Duke 1904
Kelly, Gilbert A....1913
Kelso, John C....1900
†Kidder, Frank W. K....1909
*Killebrew, Wm. G....1890
King, Joseph Millen....1895
Kinne, E. F....1906

Kirkpatrick, John L. 1899
Kittle, Walter Francis 1914
Knox, G. A. 1906
Kobayashi Shinabu (M.D.) 1897
Koebig, Walter Christian S. (A.B.) 1910
†Koharu, Rokuro (M.D.) 1906

Lamb, Wah Jean 1896
Larzalere, Ray Verplank 1914
Laubersheimer, George A. 1900
Lawton, C. W. 1905
Lazard, Edmond Myer 1897
Ledyard, C. C. 1906
Leonard, E. L. 1902
Lesem, Alexander Marx 1914
†Lewis, William Joseph 1907
Libby, Arthur A. 1897
†Lindsey, Laurence L. 1909
Linhart, Lawrence Ritchie 1913
Loomis, Melville L. 1900
Lowe, Frank Alexander 1915
Lowman, Chas. L. 1907
Lucey, Daniel D. 1913
Lund, Le Val 1916

McArthur, J. H. 1905
McCombs, Virgil J. 1900
McCoy, Gaylord 1899
McCrea, Agnes Benford 1913
McGarry, John A. 1898
McIntyre, Thomas Archibald 1914
McKellar, D. D. 1905
*McLeod, John C. 1896
McNeil, H. G. 1901
McQuiston, C. E. 1903
Mackey, John C. 1898
Mackey (Hayes), Maud Aura 1898
Macleish, Archibald C. 1908
†Magee, Allyn Claude 1908
†Martin, Jean Marion 1905
Martin, Marshall L. 1907
Martin, Wallace Perry 1915
Mattison, E. G. 1906
Mayne, William H. 1900
Meharry, J. S. 1900
Meyers, T. Chalmers 1900
Millsap, R. 1903
Misch, Herman Benjamin 1914
Molony, W. R. 1901
Moore, A. W. 1904
Moore, E. C. 1904
Moore, James Russell (A.B.) 1916
Monteleone, Joseph (A.B.) 1916
Mordoff, Chas. Espy 1910
Morris, Margaret M. 1907
Muller, Frederick William 1912
Mulvehill, Walter William 1915
Murphy, Claire W. 1891
Murphy, George S. 1891
Murrieta, Alfred J. 1899
Mustard, John J. 1907

Nelson, Clyde Vincent (B.S.) 1914
Nelson, Fred Howell 1912
Newcomb, Ralph H. 1908
Nielsen, Harold Westring 1916
Nixon, Charles E. (A.B.) 1915
Norton, F. L. 1901

O'Brien, Joseph J. 1908
O'Donnell, Earl William 1915
*O'Neil, Frank L. 1897
O'Reilly, Edmund Francis 1914
†Opp, Paul Alfred 1908
O'Reilly, T. J. 1901
O'Reilly, T. W. 1906
Osburn, Percy P. 1909

Padleford, G. E. 1904
Pahl, P. C. H. 1901
Pallette, Edward W. (Ph.M.) 1898
Parker, Ida B. 1895
Parker, Wilbur Bird 1915
Parrish, Frederick Watson 1910
Pascoe, Elmer R. 1908
Patric, Gladys Emilia 1912
Patton, E. E. 1906
Peery, J. R. 1906
Perry, Joseph Raymond 1914
Peters, Lula H. 1909
†Peterson, Anders 1909
Petter, Reginald S. 1902
Phelps, C. 1906
Pierce, Clarence W. 1898
Platt, Irving Smith 1912
*Post, Thomas Edward 1892
Pottenger, J. E. 1905
Pound, C. C. 1903
Powell, Albert B. 1891
Pratt, A. C. 1904
Preston, William H. 1895
Prigge, Henry 1907
Putman, H. A. 1904

Quint, Sumner J. 1899

Raber, William George....1915
Rankin, C. W....1903
Rankin, J. T....1903
Reed, W. J....1906
Rees, Clarence Edwin....1914
Reeves, James Walter....1913
Reiche, C. 1901
Remondino, C. H. E....1905
Reynolds, Frederick W....1900
Reynolds, Palmer R....1892
†Richards, Samuel Burgess....1906
Riggins, Philip B....1907
Riley, S. V....1904
Rinker, Casper A....1908
Rogers, Homer 1897
Rogers, John Lincoln....1896
Ronan, Richard Robert....1912
Rood, Vernon Voorhees 1916
Rookledge, P. L....1904
Rose, Homer DeWitt....1914
Rosenkranz, Herbert Augustus (A.B.) 1910
Rosenkranz, Samuel Victor....1915
Ross, Karl 1908
Rosson, Ray Wright....1914
Roth, Leon J....1901

Sabichi, G. C....1904
Sands, Raymond Arthur....1913
Saverien, Arnold Egard 1916
Saylin, Joseph 1916
Schaefer, John Hugo 1916
*Schilling, Gottfried A....1892
Scholl, Agnes Julia (A.B.)....1916
Scholz, Arnold Max....1914
Schroeder, Leo A....1907
Schutz, M. A....1899
†Schwartz, Charles Edward....1908
Schwartz, David Zisman....1913
Schwartz, Joseph Leon 1916
Scott, Alfred J., Jr....1909
Seabolt, Gertrude C....1907
Seymour, E. C....1903
Shaffner, T. L. 1889
Shattuck, Alvin 1913
Sherer, W. W. 1906
*Sherman, Harry C....1897
Shoemaker (Jones), Mary E....1890
*Shrode, D. Lee 1894
*Shrode, Jennie 1893
Simonds, Paul Ed....1908
Skeel, Donald W....1899
Sleeper, K. R....1906
Smiley, W. J....1906
Soiland, Albert 1900
Spence, John H....1899
Spencer, J. F....1904
Smart, Elliott Plummer....1912
Smith, Arthur M....1898
Smith, Bim 1899
Smith, H. 1906
Smith, Harry A....1894
Smith, Samuel F. (B.S.)....1895
Smith, W. S....1902
Smith, Joseph Kent 1916
Stadfield, Clayton Grube....1910
Stafford, O. R....1901
†Stahl, William Frederick....1905
Standlee, Claud 1907
Steen, D. B....1903
Sterns, William H....1899
Stinchfield, Herbert A....1899
Stoner, Clarence Emery....1893
Suckow, J. L....1905
Sundin, Peter O....1907
Swearington, A. W....1906
Syer, W. H....1904

Taft, Gertrude 1893
Tanner, J. B....1902
Tate, C. Francis S....1895
Taylor, Raymond Greswold....1896
Tebbet, H. B....1904
Tebbets, John H....1908
Thayer, Lyman Elanson....1915
Thiele, W. C. (B.S.)....1888
Thieme, D. A. J. W....1905
Thompson, H. A....1906
Thompson, Roy Oliver....1914
Thornton, James 1910
Thurber, Delos Packard....1912
Thurber, William Grant....1912
*Todd, William 1896
Townsend, Vinton R....1909
Traughber, William Francis....1911
Trevelyan, Geo. H....1907
True, H. B....1903
Tuthill, Alexander M....1895

Ullyot, Thomas H....1908

Valle, Anthony Z. (B.S.)....1888
Van Valkenburg, M. 1902
Vaughn, Edwin Legrand....1897
Voorhees, H. M....1905
†Vye, James Putman....1909

Wada, Kennosuke 1890
*Wales, Herbert N. 1896
Walrath, George Byron 1895
Ward, Edward D. 1907
Wardell, Clarence E. 1907
†Wasson, Thomas Senn 1905
Waterman, C. O. 1904
Weber, Wm. L. 1908
Welch, Curtis W. 1898
Wellcome, E. M. 1905
Werner, Ewald Alfred S. 1910
Wheat, J. Edgar 1900
Wheeler, Laurence W. 1893
Whitmore, M. V. 1890
Wickett, Wm. H. 1907
†Wilcox, Glover Brown 1908
Wilde, Kate 1898
Wiley, C. B. 1904
Williams, Ralph 1893
Wilson, A. P. 1902
Wilson, Loren Everett 1912
Wilson, R. R. 1904
Winter, A. H. 1906
Wise, Phillip L. 1905
Wood, C. H. 1905
Wood, W. A. 1906
Wright, Clifford C. 1907

Yager, William Laurence 1912
Yerxa, C. 1903
*Young, C. C. 1901
Young, Charles Stephen 1914
Young, Edgar Nelson 1912

Zimmerman, A. F. 1905
Zorb, George Anthony 1915

*Deceased.

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The School of Medicine

U. S. A.

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UNIVERSITY OF SOUTHERN CALIFORNIA BULLETIN

Vol. XXIX MAY 15, 1934 No. 9

The School of Medicine

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1934-1935

UNIVERSITY OF SOUTHERN CALIFORNIA PRESS

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1934

JANUARY

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CALENDAR OF THE SCHOOL OF MEDICINE*

1934

Sept.	19—Wednesday	9 A.M.	Registration begins.
Sept.	24—Monday	8 A.M.	First semester begins.
Oct.	4—Thursday		Founders' Day.
Nov.	12—Monday		Armistice Day—Holiday.
Nov.	28—Wednesday	9 P.M.	Thanksgiving recess begins.
Dec.	3—Monday	8 A.M.	Thanksgiving recess ends.
Dec.	15—Saturday	1 P.M.	Christmas recess begins.

1935

Jan.	2—Wednesday	8 A.M.	Christmas recess ends.
Feb.	9—Saturday	12 M.	First semester ends.
			Intersemester recess begins.
Feb.	18—Monday	9 A.M.	Registration begins.
Feb.	20—Wednesday	8 A.M.	Second semester begins.
Feb.	22—Friday		Washington's Birthday—Holiday.
April	19—Friday		Good Friday—Holiday.
May	30—Thursday		Memorial Day—Holiday.
June	2—Sunday	3 P.M.	Baccalaureate.
June	6—Thursday	8 A.M.	Final examinations begin for nongraduating students.
June	8—Saturday	3 P.M.	Commencement.
June	12—Wednesday	6 P.M.	Final examinations end for nongraduating students.
Sept.	17—Tuesday		Registration begins.
Sept.	23—Monday		Instruction begins.

*For information as to dates on which certain university requirements should be met by students in the Graduate School, see the bulletin of this school.

ORGANIZATION OF THE UNIVERSITY

The University Comprises the Following Schools and Colleges

COLLEGE OF LETTERS, ARTS, AND SCIENCES
- SCHOOL OF SOCIAL WELFARE
- SCHOOL OF PHILOSOPHY
- SCHOOL OF SPEECH
- SCHOOL OF JOURNALISM
- SCHOOL OF MUSIC

SCHOOL OF RELIGION

SCHOOL OF LAW

COLLEGE OF DENTISTRY (Affiliated)

COLLEGE OF PHARMACY

THE GRADUATE SCHOOL
- SCHOOL OF RESEARCH

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION
- SCHOOL OF MERCHANDISING

SCHOOL OF EDUCATION

THE LOS ANGELES UNIVERSITY OF INTERNATIONAL RELATIONS (Affiliated)

UNIVERSITY COLLEGE

COLLEGE OF ARCHITECTURE AND FINE ARTS

COLLEGE OF ENGINEERING

SCHOOL OF MEDICINE

SCHOOL OF GOVERNMENT

UNIVERSITY JUNIOR COLLEGE

THE SUMMER SESSION

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L. E. Behymer, M.B.A., Los Angeles.
J. E. Carr, Los Angeles.
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Alfred Inwood, D.D., Pasadena, California.
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Wayland Morrison, M.D., Los Angeles.
S. K. Rindge, Los Angeles.

Term Expires in 1935

Asa V. Call, Secretary, Los Angeles.
Norman Chandler, A.B., Los Angeles.
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F. E. Eckhart, Vice-President, Los Angeles.
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C. A. Parmelee, Los Angeles.
Charles E. Seaman, A.M., Vice-President, Los Angeles.
Merle N. Smith, D.D., Pasadena, California.

Term Expires in 1936

James C. Baker, S.T.B., D.D., LL.D., San Francisco, California.
Andrew M. Chaffey, Treasurer, Los Angeles.
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C. I. D. Moore, Los Angeles.
J. W. Oakley, D.D.S., L.D.S., Los Angeles.
Harry Philp, Los Angeles.
George W. Walker, Los Angeles.
Walter P. Watts, Covina, California.

Honorary Life Members

W. F. Cronemiller, Los Angeles.
Albert J. Wallace, LL.D., Los Angeles.

*Deceased, Sept. 20, 1933.

UNIVERSITY ADMINISTRATIVE OFFICERS

Unless otherwise noted, buildings are located at University Park, along University Avenue between 34th Street and Exposition Boulevard.

RUFUS B. VON KLEINSMID, President
North Wing, Bovard Administration Building.

FRANK CHARLES TOUTON, Vice-President, and Director of the Educational Program of the University
North Wing, Bovard Administration Building.

HENRY W. BRUCE, Comptroller
Room 152, Bovard Administration Building.

HUGH CAREY WILLETT, Director of Admissions
Room 260, Bovard Administration Building.

THERON CLARK, Registrar
Room 157, Bovard Administration Building.

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ADMISSIONS, OFFICE OF, HUGH C. WILLETT, Director of Admissions, Room 260, Bovard Administration Building.

ALUMNI ASSOCIATION, Rooms 401-405, Student Union Building.

APPOINTMENT OFFICE, EDITH WEIR, Appointment Secretary, Room 114, Old College.

ARCHITECTURE AND FINE ARTS, COLLEGE OF, ARTHUR C. WEATHERHEAD, Dean, Architecture Building, 35th Street and Hoover Boulevard.

ASSISTANT TO THE PRESIDENT, BRUCE R. BAXTER, Room 159, Bovard Administration Building.

ASSOCIATED STUDENTS, OFFICE OF, ARNOLD EDDY, General Manager, Room 207, Student Union Building.

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DENTISTRY, COLLEGE OF, LEWIS EUGENE FORD, Dean, Clinic Building, 16th and Los Angeles Streets; Science and Technic Building, Exposition Boulevard and Figueroa Street.

EDUCATIONAL PROGRAM OF THE UNIVERSITY, FRANK CHARLES TOUTON, Vice-President, and Director of the Educational Program, North Wing, Bovard Administration Building.

EDUCATION, SCHOOL OF, LESTER BURTON ROGERS, Dean, Room 357, Bovard Administration Building.

EMPLOYMENT, BUREAU OF, Room 428, Student Union Building.

ENGINEERING, COLLEGE OF, PHILIP SHERIDAN BIEGLER, Dean, Room 116, Bridge Hall.

GOVERNMENT, SCHOOL OF, Emery Evans Olson, Dean, Room 252, Bovard Administration Building.

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JUNIOR COLLEGE, UNIVERSITY, Frank Charles Touton, Director, Room 100, Bovard Administration Building.

LAW, SCHOOL OF, William Green Hale, Dean, School of Law Building.

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LIBRARY, GENERAL OFFICE OF, Christian R. Dick, Acting Librarian, Room 107, Edward L. Doheny, Jr., Memorial Library.

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MARINE BIOLOGICAL STATION, Francis Marsh Baldwin, Director, Room 356, Science Hall.

MEDICINE, SCHOOL OF, Paul S. McKibben, Dean, Room 367, Science Hall.

MEN, COUNSELOR OF, Francis M. Bacon, Room 235, Student Union Building.

MERCHANDISING, SCHOOL OF, W. D. Moriarty, Director, Room 115, Old College.

MUSIC, SCHOOL OF, Max van Lewen Swarthout, Director, Music Building, 35th Place and Hoover Street.

OPERATION AND MAINTENANCE OFFICE, Clee W. Foster, Chief Clerk, 812 West 34th Street.

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PHILOSOPHY, SCHOOL OF, Ralph Tyler Flewelling, Director, Mudd Memorial Hall of Philosophy.

REGISTRAR, OFFICE OF, Theron Clark, Registrar, Room 157, Bovard Administration Building.

RELIGION, SCHOOL OF, Bruce R. Baxter, Dean, Room 159, Bovard Administration Building.

RESEARCH, SCHOOL OF, Rockwell Dennis Hunt, Director, Room 160, Bovard Administration Building.

SOCIAL WELFARE, SCHOOL OF, Emory Stephen Bogardus, Director, Room 204, Bovard Administration Building.

SPEECH, SCHOOL OF, Ray Keeslar Immel, Director, Room 126, Old College.

SUMMER SESSION, Lester Burton Rogers, Dean, Room 357, Bovard Administration Building.

UNIVERSITY COLLEGE, Ernest W. Tiegs, Dean, Room 1301, Transportation Building, 7th and Los Angeles Streets.

UNIVERSITY ENGINEER, Charles E. Sims, 812 West 34th Street.

UNIVERSITY NEWS BUREAU, Grace D. Walker, Director, Room 200, Bovard Administration Building.

UNIVERSITY PUBLICATIONS, OFFICE OF, H. W. Hill, University Editor, Room 256, Bovard Administration Building.

WOMEN, DEAN OF, Mary Sinclair Crawford, Room 254, Bovard Administration Building.

THE SCHOOL OF MEDICINE

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RUFUS B. VON KLEINSMID, A.M., Sc.D., J.D., Ph. et Litt.D., LL.D.
President of the University

FRANK CHARLES TOUTON, A.M., Ph.D.
Vice-President; Director of the Educational Program of the University

PAUL S. MCKIBBEN, B.S., Ph.D., LL.D.
Dean of the School of Medicine

ROCKWELL DENNIS HUNT, A.M., Ph.D., LL.D.
Dean of the Graduate School and Director of the School of Research

HUGH CAREY WILLETT, A.M.
Director of Admissions

THERON CLARK, A.B.
Registrar

FACULTY

WESLEY WILBUR BECKETT, M.D., LL.D., Emeritus Professor of Surgery

M.D., University of Southern California College of Medicine, 1888; LL.D., University of Southern California, 1927. Formerly Professor of Gynecology and Surgery, University of Southern California College of Medicine.

HILL HASTINGS, M.D., Emeritus Professor of Surgery (Otology, Rhinology, and Laryngology)

M.D., University of Virginia Department of Medicine, 1895. Formerly Professor of Otolaryngology, University of Southern California College of Medicine.

GRANVILLE MACGOWAN, M.D. Emeritus Professor of Surgery

M.D., University of Pennsylvania School of Medicine, 1879. Emeritus Professor, Surgery (Urology), College of Medical Evangelists.

GEORGE DOCK, M.D. Honorary Professor of Medicine

M.D., University of Pennsylvania School of Medicine, 1894; hon. Sc.D., 1904; hon. A.M., Harvard University, 1895. Assistant in Clinical Pathology, University of Pennsylvania, 1887-88; Professor of Pathology, Texas Medical College and Hospital, 1888-91; Professor of Medicine, University of Michigan Medical School, 1891-1908; School of Medicine, Tulane University, 1908-10; School of Medicine, Washington University, 1910-22.

HARRY J. DEUEL, JR., A.B., Ph.D. Professor of Biochemistry

A.B., Carleton College, 1918; Ph.D., Yale University, 1923. Instructor in Physiology, Cornell Medical School, 1923-27; Assistant Professor of Physiology, 1927-28; Professor of Physiology, University of Maryland, 1928-29. At the University of Southern California since 1929.

DOUGLAS RICHARD DRURY, A.B., M.D. Professor of Physiology

A.B., Stanford University, 1918; M.D., Stanford University School of Medicine, 1922. Assistant, Rockefeller Institute, 1922-25; Associate, 1925-29; Associate Physician, Huntington Memorial Hospital, and Assistant in Physiology, Harvard University Medical School, 1929-31. At the University of Southern California since 1931.

ERNEST M. HALL, A.B., M.S., M.D. Professor of Pathology

A.B., Brigham Young College, 1905; M.S., Washington State College, 1916; M.D., Stanford University School of Medicine, 1925. Instructor in Pathology, Stanford University School of Medicine, 1925; Assistant Professor of Pathology, 1926-28. At the University of Southern California since 1928.

JOHN F. KESSEL, A.M., Ph.D. Professor of Bacteriology

A.B., Greenville College, 1919; A.M., University of California, 1921; Ph.D., 1923. Associate in Parasitology, Peking Union Medical College, 1923-28; Associate Professor of Parasitology, University of California at Los Angeles, 1928-29; Associate Professor of Pathology, College of Medical Evangelists, 1928-29. At the University of Southern California since 1929.

PAUL S. MCKIBBEN, B.S., Ph.D., LL.D., Dean of the School of Medicine and Professor of Anatomy

B.S., Denison University, 1906; Ph.D., University of Chicago, 1911; LL.D., University of Western Ontario, 1928. Assistant in Anatomy, University of Chicago, 1908-11; Associate in Anatomy, 1911-12; Instructor in Anatomy, 1912-13; Professor of Anatomy, University of Western Ontario Medical School, 1913-27; Dean, 1919-27; Associate Professor and Professor of Anatomy, University of Michigan Medical School, 1927-29. At the University of Southern California since 1929.

LYLE GILLETT MCNEILE, M.D., Professor of Obstetrics and Gynecology

M.D., University of California Medical School, 1910. Instructor, Assistant Professor, Associate Professor, and Professor of Obstetrics, College of Physicians and Surgeons, University of Southern California, 1912-20; Professor of Obstetrics, College of Medical Evangelists, 1920-31. At the University of Southern California since 1931.

BURRELL OTTO RAULSTON, A.B., M.D. Professor of Medicine

A.B., Maryville College, 1909; M.D., Rush Medical College, 1915. Instructor in Pathology, Rush Medical College, 1916-21; Instructor and Assistant Professor of Medicine, 1921-24. At the University of Southern California since 1930.

CHARLES JOSEPH ROWAN, A.B., M.D. Professor of Surgery

A.B., St. Ignatius College, 1895; M.D., Rush Medical College, 1898. Assistant Professor of Surgery, Rush Medical College, 1906-14; Professor of Surgery, State University of Iowa College of Medicine, 1914-29. At the University of Southern California since 1931.

CLINTON H. THIENES, A.M., M.D., Ph.D., Professor of Pharmacology

A.B., University of Oregon, 1918; A.M., M.D., 1923; Ph.D., Stanford University, 1926. Instructor in Anatomy, University of Oregon Medical School, 1921-22; Instructor in Pharmacology, 1922-24; Fellow in Medicine, National Research Council, Stanford University, 1925-26; Assistant Professor of Pharmacology, University of Oregon Medical School, 1926-29. At the University of Southern California since 1930.

ROY MCLEAN VAN WART, A.B., M.D., C.M., Professor of Neuropathology

A.B., University of New Brunswick, 1898; M.D., C.M., McGill University Faculty of Medicine, 1902. Lecturer, Diseases of the Nervous System, Tulane University of Louisiana School of Medicine, 1904-15; Professor of Psychiatry, 1915-25; Professor of Neuropsychiatry, Louisiana State University Medical Center, 1930-32. At the University of Southern California since 1932.

JACOB C. GEIGER, M.D. Lecturer in Medicine (Public Health)

M.D., Tulane University of Louisiana School of Medicine, 1912. At the University of Southern California since 1933.

ROBERT H. HETERICK, M.D., Lecturer in Medicine (Public Health)

M.D., Medical College of Ohio, Cincinnati, 1906. At the University of Southern California since 1933.

WILFRED H. KELLOGG, M.D., Lecturer in Medicine (Public Health)

M.D., University of California Medical School, 1896. Associate Clinical Professor of Preventive Medicine and Hygiene, University of California Medical School. At the University of Southern California since 1933.

ANDREW STEWART LOBINGIER, A.B., M.D. Lecturer in Surgery

A.B., University of Michigan, 1886; M.D., University of Michigan Medical School, 1889. Professor of Bacteriology and Pathology, Gross Medical College, 1889-92; Professor of Pathology, University of Colorado School of Medicine, 1892-94; Professor of Surgery, 1894-1902. At the University of Southern California since 1931.

JOHN MACKENZIE BROWN, M.D., Clinical Professor of Surgery (Otology, Rhinology, and Laryngology)

M.D., University of Western Ontario Medical School, 1899. Instructor in Otolaryngology, Los Angeles Medical Department of the University of California, 1909-15. At the University of Southern California since 1931.

HENRY DIETRICH, M.D., Clinical Professor of Medicine (Pediatrics)

M.D., Rush Medical College, 1898. At the University of Southern California since 1931.

KENDAL FROST, B.L., M.S., M.D., Clinical Professor of Medicine (Dermatology)

B.L., University of California, 1913; M.S., 1914; M.D., Rush Medical College, 1916. At the University of Southern California since 1931.

ARTHUR STANLEY GRANGER, A.B., M.D., Clinical Professor of Medicine

A.B., University of Cincinnati, 1902; M.D., Rush Medical College, 1909. Fellow, Sprague Memorial Institute, Chicago, 1911-12. At the University of Southern California since 1931.

VERNE CARLTON HUNT, B.S., M.D., M.S., Clinical Professor of Surgery

B.S., State University of Iowa, 1911; M.D., Rush Medical College, 1913; M.S. (Surgery), University of Minnesota, 1918. Associate Professor of Surgery, Mayo Foundation, Graduate School, University of Minnesota, 1927-30. At the University of Southern California since 1931.

SAMUEL D. INGHAM, M.D., Clinical Professor of Medicine (Neurology)

M.D., Medico-Chirurgical College of Philadelphia, 1899. Instructor in Neurology, Medico-Chirurgical College, 1907-20; Clinical Professor of Nervous and Mental Diseases, Temple University School of Medicine, 1910-20. At the University of Southern California since 1931.

MAURICE G. KAHN, M.D. Clinical Professor of Surgery

M.D., Harvard University Medical School, 1898. At the University of Southern California since 1931.

JOSEPH M. KING, M.D. Clinical Professor of Medicine

M.D., University of Southern California College of Medicine, 1895. Instructor in Materia Medica, University of Southern California Medical Department, 1899; Associate Professor, 1901; Professor of Therapeutics, 1904; and Lecturer in Medicine, 1907; Professor of Medicine, Los Angeles Department of Medicine, University of California, 1909-11. At the University of Southern California since 1931.

ALLEN KRAMER KRAUSE, A.M., M.D., Clinical Professor of Medicine

A.B., Brown University, 1901; A.M., 1902; M.D., Johns Hopkins University School of Medicine, 1907. Assistant and Instructor in Pathology, Johns Hopkins University School of Medicine, 1907-9; Associate Director, Saranac Laboratory, 1906-16; Associate Professor of Medicine, Johns Hopkins University School of Medicine, 1916-29; Lecturer, Trudeau School of Tuberculosis, 1916-29; Visiting Lecturer in Medicine, Johns Hopkins University School of Medicine, since 1930; Clinical Professor of Medicine, Stanford University School of Medicine, 1929—. At the University of Southern California since 1932.

VERNE R. MASON, B.S., M.D. Clinical Professor of Medicine

B.S., University of California, 1911; M.D., Johns Hopkins University School of Medicine, 1915. Assistant in Medicine, Associate in Medicine, Johns Hopkins University School of Medicine, 1919-21. At the University of Southern California since 1930.

EDWARD C. MOORE, M.D. Clinical Professor of Surgery

M.D., University of Southern California College of Medicine, 1904. At the University of Southern California since 1931.

FRANCIS MARION POTTENGER, Ph.B., A.M., LL.D., M.D., Clinical Professor of Medicine

Ph.B., Otterbein College, 1892; Ph.M., 1897; A.M., 1905; LL.D., 1909; M.D., Cincinnati College of Medicine and Surgery, 1894. Lecturer, Medical Department, University of Southern California, 1903-4; Professor of Medicine, 1905-9, 1914-20. At the University of Southern California since 1931.

CARL WHEELER RAND, A.M., M.D., Clinical Professor of Surgery (Neurological)

A.B., Williams College, 1908; A.M., 1909; M.D., Johns Hopkins University School of Medicine, 1912. At the University of Southern California since 1931.

HENRY N. SHAW, A.B., M.D. Clinical Professor of Gynecology

A.B., Princeton University, 1907; M.D., Johns Hopkins University School of Medicine, 1913. At the University of Southern California since 1931.

HARLAN SHOEMAKER, A.B., M.D. Clinical Professor of Surgery

A.B., Stanford University, 1899; M.D., University of Pennsylvania School of Medicine, 1902. Assistant Demonstrator of Gross Morbid Pathology, University of Pennsylvania, 1904-10; Assistant Demonstrator of Anatomy, College of Physicians and Surgeons, University of Southern California, 1914-16; Associate Professor of Surgery, 1916-20. At the University of Southern California since 1931.

BERTNARD SMITH, M.D. Clinical Professor of Medicine

M.D., Rush Medical College, 1903. At the University of Southern California since 1932.

REA EVERETT SMITH, A.B., M.D. Clinical Professor of Surgery

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M.D., University of California Medical School, 1912. Professor of Clinical Surgery (Bones and Joints), College of Medical Evangelists. At the University of Southern California since 1931.

CHARLES W. BONYNGE, M.D., Associate Professor of Experimental Medicine

M.D., University of Southern California College of Medicine, 1903. Bacteriologist, Los Angeles County Milk Commission. At the University of Southern California since 1931.

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B.S., University of Chicago, 1916; M.S., 1917; M.D., Rush Medical School, 1923. Associate in Medicine, University of Buffalo School of Medicine, 1923-28; Assistant Professor of Pathology, 1928-30. At the University of Southern California since 1933.

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B.S., Massachusetts Agricultural College, 1912; A.M., Columbia University, 1917; Ph.D., Harvard University, 1922; M.D., Harvard University Medical School, 1925. Department of Bacteriology and Immunology, Maryland Agricultural College, 1912-14; Assistant, Department of Preventive Medicine and Hygiene, Harvard University, 1919-22; Instructor, Bacteriology and Immunology, Harvard University Medical School, 1923-24; Associate Professor, Bacteriology and Immunology, Preventive Medicine and Hygiene, Baylor Medical School, 1925-26. At the University of Southern California since 1930.

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WALTER A. BAYLEY, M.D., Associate Clinical Professor of Surgery

M.D., University of Southern California College of Medicine, 1905. At the University of Southern California since 1931.

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M.D., University of Southern California College of Medicine, 1919. Medical Superintendent, Los Angeles County General Hospital, Unit No. 1, since 1929. At the University of Southern California since 1931.

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A.B., Stanford University, 1912; M.S., University of Chicago, 1914; M.D., Rush Medical College, 1916. Assistant in Anatomy, University of Chicago, 1915-16; Instructor in Hygiene and Bacteriology, 1916; Instructor in Medicine, College of Medical Evangelists, 1924-26; Assistant Professor of Medicine, 1926-29; Associate Professor of Medicine, 1929-31. At the University of Southern California since 1931.

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B.S., State University of Iowa, 1927; M.D., State University of Iowa College of Medicine, 1927. Instructor in Surgery, State University of Iowa, 1929-32. At the University of Southern California since 1932.

EDWARD M. BUTT, A.B., M.D., Assistant Professor of Pathology

A.B., Stanford University, 1924; M.D., Stanford University School of Medicine, 1929. Assistant Instructor in Pharmacology, Stanford University School of Medicine, 1926-28; Instructor in Pathology, 1928-30. At the University of Southern California since 1931.

ANSON P. S. HOYT, A.B., M.D., Assistant Professor of Bacteriology

A.B., Yale University, 1921; M.D., Columbia University College of Physicians and Surgeons, 1925. Research Assistant, Department of Bacteriology, Columbia University College of Physicians and Surgeons, 1928-29; Instructor, 1929-30; Research Fellow, Department of Biology, California Institute of Technology, 1930-31. At the University of Southern California since 1931.

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B.S., Iowa State College, 1922; M.S., University of Chicago, 1928; M.D., Rush Medical College, 1929. At the University of Southern California since 1930.

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A.B., University of Southern California, 1924; M.D., Stanford University School of Medicine, 1929. Assistant in Medicine (Neuropsychiatry), Stanford University School of Medicine, 1930-31. At the University of Southern California since 1932.

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M.D., Tufts College Medical School, 1925. At the University of Southern California since 1934.

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M.D.C.M., McGill University Faculty of Medicine, 1924. Lecturer in Obstetrics and Gynecology, University of Rochester School of Medicine, 1928-29. At the University of Southern California since 1931.

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M.D., State University of Iowa College of Medicine, 1917. At the University of Southern California since 1934.

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HEROLD P. HARE, B.S., M.D., Assistant Clinical Professor of Medicine

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A.B., Reed College, 1918; M.D., Harvard University Medical School, 1922. Associate Professor of Medicine, College of Medical Evangelists, 1927-32. At the University of Southern California since 1932.

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B.S., University of Chicago, 1917; M.D., Rush Medical College, 1920; M.S., University of Minnesota (Surgery), 1924. At the University of Southern California since 1931.

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A.B., Dartmouth College, 1906; M.D., Dartmouth Medical School, 1909. Instructor in Pediatrics, University of Southern California College of Medicine, 1917-18; Assistant Clinical Professor of Pediatrics, College of Medical Evangelists, 1920-21. At the University of Southern California since 1931.

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M.D., University of Southern California College of Medicine, 1899. Assistant Professor of Proctology, College of Medical Evangelists, 1922-25; Clinical Professor of Proctology, 1925-29. At the University of Southern California since 1931.

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Ph.C., University of Kansas, 1909; M.D., Creighton University School of Medicine, 1914. Instructor in Medicine, University of Utah School of Medicine, 1925-31. At the University of Southern California since 1931.

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M.D., University of Pennsylvania School of Medicine, 1923. At the University of Southern California since 1931.

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M. GEORGE HENRY, M.S., M.D. Instructor in Surgery

A.B., University of Wisconsin, 1926; M.S., 1926; M.D., Rush Medical College, 1930. Instructor in Physiology, University of Illinois, 1928-29; Instructor in Surgical Clerkship, Rush Medical College, 1930-31. At the University of Southern California since 1934.

IDA HEISSIG, B.S., M.D. Instructor in Surgery (Anaesthesia)

B.S., University of Illinois, 1926; M.D., University of Illinois College of Medicine, 1929. At the University of Southern California since 1933.

GEORGE HAMILTON HOUCK, A.B., M.D., Instructor in Medicine

A.B., University of Oregon, 1923; M.D., Harvard University Medical School, 1927. Assistant Resident in Medicine, Stanford University School of Medicine, 1929-30; Assistant in Medicine, University of California Medical School, 1930-31. At the University of Southern California since 1931.

WILLIAM E. HUNTER, A.B., M.D. Instructor in Surgery

A.B., University of Utah, 1913; M.D., Harvard University Medical School, 1916. At the University of Southern California since 1931.

JULIUS KAHN, B.S., M.D. Instructor in Medicine

B.S., University of Chicago, 1917; M.D., Rush Medical College, 1921. Instructor in Medicine, College of Medical Evangelists, 1929. At the University of Southern California since 1931.

ROBERT H. KENNICOTT, M.D. Instructor in Medicine

M.D., University of Minnesota Medical School, 1920. At the University of Southern California since 1933.

JEAN GIRTON KINNEY, M.D., Instructor in Surgery (Ophthalmology)

M.D., University of California Medical School, 1927. At the University of Southern California since 1932.

GEORGE F. KOETTER, M.D. Instructor in Medicine (Dermatology)

M.D., University of Cincinnati College of Medicine, 1922. At the University of Southern California since 1933.

WILLIAM P. KROGER, M.D. Instructor in Surgery

M.D., University of Pennsylvania School of Medicine, 1918. At the University of Southern California since 1931.

DOUGLAS R. MACCOLL, B.S., M.D., Instructor in Anatomy (Radiology)

B.S., University of California, 1914; M.D., Stanford University Medical School, 1928. Externe, Department of Pathology, Stanford University Medical School, 1927-28. At the University of Southern California since 1931.

IAN G. MACDONALD, M.D., C.M. Instructor in Surgery

M.D., C.M., McGill University Faculty of Medicine, 1928. At the University of Southern California since 1933.

HAROLD K. MARSHALL, M.D. Instructor in Obstetrics

M.D., University of Pennsylvania School of Medicine, 1926. At the University of Southern California since 1932.

LOUIS E. MARTIN, A.B., M.D. Instructor in Medicine

A.B., Colorado College, 1920; M.D., Johns Hopkins University School of Medicine, 1924. Instructor in Medicine, Johns Hopkins School of Medicine, 1926. At the University of Southern California since 1931.

SAMUEL S. MATHEWS, A.B., M.D., Instructor in Surgery (Orthopedic)

A.B., Stanford University, 1921; M.D., University of Pennsylvania School of Medicine, 1925. Prosector in Anatomy, Harvard University Medical School, 1929. At the University of Southern California since 1931.

RAYMOND D. MCBURNEY, A.B., M.D. Instructor in Obstetrics

A.B., Stanford University, 1923; M.D., Stanford University School of Medicine, 1927. At the University of Southern California since 1931.

ANGUS C. MCDONALD, A.B., M.D. Instructor in Medicine

A.B., Grinnell College, 1921; M.D., Rush Medical College, 1926. Assistant Instructor in Pharmacology, University of Chicago, 1923-25. At the University of Southern California since 1932.

FRANCIS M. MCKEEVER, M.D., Instructor in Surgery (Orthopedic)

M.D., University of California Medical School, 1927. At the University of Southern California since 1931.

PAUL E. MCMASTER, A.B., M.D., Instructor in Surgery (Orthopedic)

A.B., Morningside College, 1924; B.S., University of South Dakota, 1926; M.D., Rush Medical College, 1928. Assistant, Instructor, University of Chicago Medical School, 1930-33. At the University of Southern California since 1933.

FRANK J. MEADE, B.S., M.D., Instructor in Surgery (Orthopedic)

B.S., University of Southern California, 1917; M.D., University of Southern California College of Medicine, 1922. Instructor in Orthopedic Surgery, College of Medical Evangelists, 1929-30. At the University of Southern California since 1931.

ROBERT W. MEALS, M.D. Instructor in Medicine

M.D., University of Illinois College of Medicine, 1925. At the University of Southern California since 1932.

WALLACE J. MILLER, A.B., M.D., Instructor in Surgery (Ophthalmology)

A.B., Stanford University, 1922; M.D., Harvard University Medical School, 1926. At the University of Southern California since 1932.

CHARLES J. MURRAY, M.D. Instructor in Medicine

M.D., University of Oregon Medical School, 1927. At the University of Southern California since 1933.

NORMAN K. NIXON, B.S., M.D., Instructor in Medicine (Pediatrics)

B.S., State University of Iowa, 1923; M.D., State University of Iowa College of Medicine, 1925. At the University of Southern California since 1931.

NORMAN C. PAINE, B.S., M.D. Instructor in Surgery

B.S., University of Chicago, 1913; M.D., Rush Medical College, 1919. Assistant in Surgical Anatomy, Rush Medical College, 1919-20; Professor of Hygiene, Iowa State College, 1920-21; Instructor in Medicine, College of Medical Evangelists, 1925-30. At the University of Southern California since 1931.

EDWIN B. PLIMPTON, A.B., M.D., Instructor in Surgery (Orthopedic)

A.B., Des Moines University, 1922; M.D., State University of Iowa College of Medicine, 1926. Instructor in Orthopedics, College of Medical Evangelists, 1929-30. At the University of Southern California since 1931.

ROBERT T. POTTENGER, A.B., M.D. Instructor in Medicine

A.B., Princeton University, 1924; M.D., Harvard University Medical School, 1928. At the University of Southern California since 1932.

HYMAN RAPAPORT, B.S., M.D. Instructor in Medicine

B.S., University of Pittsburgh, 1917; M.D., University of Pittsburgh School of Medicine, 1919. At the University of Southern California since 1932.

CLARENCE C. REED, A.B., M.D. Instructor in Surgery

A.B., Nebraska Union College, 1916; M.D., Rush Medical College, 1925. At the University of Southern California since 1931.

JOSEPH REYNOLDS, A.B., M.D. Instructor in Medicine

A.B., University of California at Los Angeles, 1926; M.D., Harvard University Medical School, 1930. Prosector in Anatomy, Harvard University Medical School, 1927-28. At the University of Southern California since 1932.

PHILIP A. REYNOLDS, M.D. Instructor in Obstetrics

M.D., Boston University School of Medicine, 1925. At the University of Southern California since 1931.

J. PHILIP SAMPSON, A.B., M.D. Instructor in Medicine

A.B., University of Southern California, 1925; M.D., Stanford University School of Medicine, 1930. At the University of Southern California since 1933.

JOHN MOORE SCHMOELE, A.B., M.D. Instructor in Surgery

A.B., Washington and Lee University, 1915; M.D., University of Pennsylvania School of Medicine, 1919. At the University of Southern California since 1932.

HERMAN SEMENOV, A.M., M.D., Instructor in Surgery (Otology, Rhinology, and Laryngology)

A.B., University of Oregon, 1927; A.M., 1930; M.D., University of Oregon Medical School, 1930. Assistant Instructor in Pathology, University of Oregon Medical School, 1929-30. At the University of Southern California since 1932.

DONALD C. SHELBY, B.S., M.D., Instructor in Medicine (Pediatrics)

B.S., State University of Iowa, 1923; M.D., 1925. At the University of Southern California since 1931.

E. KOST SHELTON, M.D. Instructor in Medicine

M.D., University of Colorado School of Medicine, 1911. At the University of Southern California since 1933.

GEORGE C. SHELTON, B.S., M.D., Instructor in Surgery (Orthopedic)

B.S., University of Oklahoma, 1920; M.D., University of Illinois College of Medicine, 1923. Instructor in Orthopedic Surgery, College of Medical Evangelists, 1929-30. At the University of Southern California since 1931.

REUEL M. SPENCER, M.D. Instructor in Obstetrics

M.D., University of Southern California College of Medicine, 1919. At the University of Southern California since 1932.

JOHN S. STEPHENS, A.B., M.D., Instructor in Surgery (Orthopedic)

A.B., Stanford University, 1925; M.D., Stanford University School of Medicine, 1929. At the University of Southern California since 1931.

HAROLD L. THOMPSON, M.S., M.D., Ph.D., Instructor in Surgery

A.B., State University of Iowa, 1919; M.S., University of Chicago, 1921; M.D., Rush Medical College, 1924; Ph.D. (Surgery), Mayo Foundation, University of Minnesota, 1930. Assistant in Anatomy, University of Chicago, 1920-21; Teaching Fellow in Surgery, University of Minnesota Medical School, 1925-26. At the University of Southern California since 1931.

VERNON P. THOMPSON, A.B., M.D., Instructor in Surgery (Orthopedic)

A.B., Stanford University, 1920; M.D., Harvard University Medical School, 1923. Teaching Fellow in Orthopedic Surgery, Harvard University Medical School, 1926. At the University of Southern California since 1931.

HYMAN I. VENER, M.D. Instructor in Medicine

M.D., University of Illinois College of Medicine, 1925. At the University of Southern California since 1932.

I. JACK VIDGOFF, B.S., M.D. Instructor in Surgery

B.S., University of Washington, 1923; M.D., University of Oregon Medical School, 1927. At the University of Southern California since 1932.

JOSEPH C. VINETZ, A.B., M.D. Instructor in Surgery

A.B., Occidental College, 1922; M.D., Stanford University School of Medicine, 1927. Instructor in Pathology, University of Southern California, 1929-31. At the University of Southern California since 1929.

PIERRE P. VIOLE, M.D., Instructor in Surgery (Otology, Rhinology, and Laryngology)

M.D., University of Southern California College of Medicine, 1919. At the University of Southern California since 1931.

PIERRE J. WALKER, M.D. Instructor in Surgery (Orthopedic)

M.D., Johns Hopkins University School of Medicine, 1923. At the University of Southern California since 1933.

JOHN W. WEBER, A.B., M.D. Instructor in Medicine

A.B., St. Johns College, 1913; M.D., Columbia University College of Physicians and Surgeons, 1918. Instructor in Trudeau School of Tuberculosis, 1920-27; Instructor in Medicine, College of Medical Evangelists, 1928-29; Assistant Professor of Medicine (Tuberculosis), 1929-31. At the University of Southern California since 1931.

JOHN F. WHALEN, M.D. Instructor in Medicine

M.D., Jefferson Medical College of Philadelphia, 1927. At the University of Southern California since 1931.

HAROLD F. WHALMAN, A.B., M.D., Instructor in Surgery (Ophthalmology)

B.S., University of Nevada, 1922; A.B., University of California, 1922; M.D., University of California Medical School, 1928. At the University of Southern California since 1932.

EUGENE ZISKIND, M.D. Instructor in Medicine

M.D., Rush Medical College, 1926. At the University of Southern California since 1932.

CHARLES W. ARTHUR, Ph.B. Assistant in Bacteriology

Ph.B., Brown University, 1918. Assistant, Department of Preventive Medicine, University of Missouri, 1919-20. At the University of Southern California since 1931.

WALTER BIGELOW BROWN, B.S., M.D. — Assistant in Medicine

B.S., Coe College, 1924; M.D., Rush Medical College, 1931. Assistant Professor of Biology, Denison University, 1924-27. At the University of Southern California since 1931.

VIRGIL L. CAMERON, M.D., Assistant in Surgery (Otology, Rhinology, and Laryngology)

M.D., University of Oregon Medical School, 1927. At the University of Southern California since 1932.

HUGH A. EDMUNDSON — Assistant in Pathology

A.B., University of Oklahoma, 1926; M.D., Rush Medical College, 1931. At the University of Southern California since 1934.

ROY T. FISK, B.S., M.S. — Assistant in Bacteriology

B.S., University of Washington, 1929; M.S., 1930. Teaching Fellow, University of Washington, 1929-30. At the University of Southern California since 1931.

JOSEPH P. FITZGIBBON, A.B., M.D. — Assistant in Medicine

A.B., Creighton University, 1925; M.D., Rush Medical College, 1930. At the University of Southern California since 1934.

CYRIL C. FRANCIS, A.B., M.D. — Assistant in Medicine

A.B., Stanford University, 1928; M.D., Stanford University School of Medicine, 1932. At the University of Southern California since 1934.

JAMES A. GAFFORD, M.D. — Assistant in Gynecology

M.D., Stanford University School of Medicine, 1931. At the University of Southern California since 1933.

MARGARET GULICK, A.B. — Assistant in Biochemistry

A.B., University of California, 1927. Research Assistant, Institute of Child Welfare, University of California, 1927-28; Rockefeller Child Research Scholar, Merrill-Palmer School, Detroit, and Columbia University, 1928-29. At the University of Southern California since 1930.

LORIN V. HILLYARD, M.D. — Assistant in Surgery

M.D., University of California Medical School, 1928. At the University of Southern California since 1933.

RAYMOND M. KAY, A.B., M.D. — Assistant in Medicine

A.B., Stanford University, 1927; M.D., Stanford University School of Medicine, 1931. At the University of Southern California since 1934.

GEORGE F. KEIPER, A.B., M.D., M.S., Assistant in Surgery (Otology, Rhinology, and Laryngology)

A.B., University of Michigan, 1922; M.D., University of Michigan Medical School, 1925; M.S. (Otolaryngology), University of Pennsylvania, 1930. Assistant in Bacteriology, University of Michigan, 1921-22; Research Assistant in Pharmacology, 1923-24. At the University of Southern California since 1932.

ARTHUR A. KIRCHNER, B.S., M.D. — Assistant in Medicine

B.S., Northwestern University, 1928; M.S., Northwestern University Medical School, 1929. At the University of Southern California since 1933.

JOHN P. LORDAN, B.S., M.D., Assistant in Surgery (Ophthalmology)

B.S., Indiana University, 1925; M.D., Indiana University School of Medicine, 1927. At the University of Southern California since 1934.

ANDREW A. LOVE, B.S., D.D.S., M.D., Assistant in Surgery (Otology, Rhinology, and Laryngology)

B.S., Fargo College, 1918; D.D.S., University of Minnesota, 1923; B.S., 1927; M.B., 1929; M.D., University of Minnesota Medical School, 1930. At the University of Southern California since 1932.

CARROLL A. MCCOY, A.B., M.D., Assistant in Surgery (Ophthalmology)

A.B., George Washington University, 1925; M.D., University of Colorado School of Medicine, 1929. At the University of Southern California since 1932.

CLARENCE H. NELSON, A.B., M.D. Assistant in Medicine

A.B., Stanford University, 1925; M.D., Stanford University School of Medicine, 1929. At the University of Southern California since 1934.

HENRY ROGER NESBURN, M.D., Assistant in Surgery (Ophthalmology)

M.D., Tufts College Medical School, 1931. At the University of Southern California since 1933.

HARVEY T. OLSAN, M.D. Assistant in Medicine (Dermatology)

M.D., University of California Medical School, 1930. Assistant in Medicine, University of California Medical School, 1930-31. At the University of Southern California since 1933.

EDWARD C. PALLETTE, A.M., M.D. Assistant in Surgery

A.B., Stanford University, 1925; A.M., Princeton, 1926; M.D., Harvard University Medical School, 1929. At the University of Southern California since 1933.

EDWARD K. PRIGGE, M.D. Assistant in Surgery (Orthopedic)

M.D., University of California Medical School, 1931. At the University of Southern California since 1933.

WM. DRUMMOND RADCLIFFE, JR., A.B., M.D., Assistant in Anatomy

A.B., University of Arizona, 1928; M.D., University of Southern California, 1934. At the University of Southern California since 1934.

THOMAS R. THORN, M.D. Assistant in Surgery (Orthopedic)

M.D., University of Texas School of Medicine, 1927. At the University of Southern California since 1933.

HAROLD P. TOTTEN, M.D. Assistant in Surgery

M.D., Rush Medical College, 1924. At the University of Southern California since 1933.

MADELINE FALLON, A.B., M.D. Fellow in Medicine

B.S., A.B., University of Minnesota, 1926; B.M., University of Minnesota Medical School, 1927; M.D., 1928. Assistant in Medicine, University of Minnesota Medical School, 1929-32. At the University of Southern California since 1933.

SCHOOL OF MEDICINE COMMITTEE OF THE BOARD OF TRUSTEES

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Wayland A. Morrison, M.D., Los Angeles.
Seeley G. Mudd, M.D., Los Angeles.

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THE SCHOOL OF MEDICINE OF THE UNIVERSITY OF SOUTHERN CALIFORNIA

General Statement

The School of Medicine of the University of Southern California was organized May 2, 1885, and in the spring of 1888 the first class was graduated. In 1908 this school transferred its affiliation to the University of California; and August 11, 1909, the College of Physicians and Surgeons, an organization established in Los Angeles in 1904, became affiliated with the University of Southern California. In 1920, due to inability to secure adequate financial support, this school was discontinued.

In May, 1928, the present School of Medicine was established by the Board of Trustees as an integral part of the University. It was ordered that the School of Medicine be administered by the Board of Trustees, the President of the University, and the all-University Committees on Admissions, Curriculum, and Scholarship in the same manner as are the other Schools and Colleges of the University. The responsibility for appointments to the teaching staff and for the administration of regulations governing the classification of students was vested in an executive committee appointed by the Board of Trustees of the University.

On September 17, 1928, the School of Medicine admitted for instruction a Freshman class of fifty-four students. Each subsequent year, with the exception of 1930-31, an additional year's work was offered, until in 1932-33 the complete five-year curriculum was available and the first class graduated. As in the past the School will continue to limit the enrollment in the Freshman class to fifty-four students.

Departments of Instruction

The Faculty of the School of Medicine is organized into several departments, as follows, each with an administrative chief: Anatomy (including Histology), Bacteriology, Biochemistry, Medicine (and the medical specialties), Obstetrics and Gynecology, Pathology, Pharmacology, Physiology, and Surgery (including surgical specialties).

Clinical Facilities

Los Angeles, by reason of its situation and size, is an admirable location for a school of medicine. In the Los Angeles County Hospital opportunities for clinical observation and instruction are abundant. The wealth and variety of clinical material available in this

institution make it preëminently advantageous for student, interne, and resident. The completion of a new building has greatly enlarged the capacity of this hospital, which now contains about 2,700 beds. In addition to the services usually available in a general hospital, it contains a psychiatric unit and one devoted to contagious diseases. About 45,000 bed patients are cared for annually by this institution, whose out-patient department receives approximately 500,000 visits each year. The Children's Hospital also affords excellent facilities for the study of Pediatrics and Orthopedics. This is an institution of 250 beds with an out-patient service receiving about 32,000 visits annually.

Admission

Admission Requirements. Admission to the first-year class of the School of Medicine requires the completion of a four-year high school course acceptable for admission to freshman standing in the College of Letters, Arts, and Sciences, and three full years of college work, totaling not fewer than ninety semester units, in a college or university approved by an accrediting agency acceptable to the Association of American Medical Colleges.

All candidates for admission to the School of Medicine are strongly urged to take the Scholastic Aptitude Test for Medical Students prepared by the special Committee of the Association of American Medical Colleges. Information regarding this test may be obtained from the Deans of Colleges of Liberal Arts or from the Secretary of the Committee, F. A. Moss, M.D., George Washington University, Washington, D. C.

The collegiate work presented for admission must include the minimum requirements of the Association of American Medical Colleges in General Chemistry, Organic Chemistry, Physics, Biology, and English. In addition, courses in Quantitative Analysis, Embryology, Comparative Anatomy, and French or German, are required.

Minimum Requirements for Admission

The above minimum and additional requirements will be met if the ninety semester units of premedical work presented for admission include the following courses and at least the specified number of units in each course:

	Semester Units
Chemistry	
Inorganic and Qualitative Analysis (Lectures and Laboratory)	8
Organic	4
Quantitative Analysis (Lectures and Laboratory, including Volumetric Analysis)	3
Biology	
General Zoology (Lectures and Laboratory)	8
Comparative Anatomy (Vertebrate Zoology) (Lectures and Laboratory)	3
Embryology (including Mammalian Embryology) (Lectures and Laboratory)	3
Physics	
General Physics (Lectures and Laboratory)	8
English	6
French or **German**	12

If taken at the University of Southern California the required courses in science, English, French or German, described in the Bulletin of the College of Letters, Arts, and Sciences, are as follows:

Chemistry	
Chemistry 2abL (Inorg. Chem. and Qual. Anal.)	8
*Chemistry 15L (Anal. Chem.-Intro. Quan. Anal.)	4
Chemistry 122abL (Organic Chemistry)	8
Biology	
Zoology 1abL (General Zoology)	8
Zoology 100L (Comparative Anatomy)	4
Zoology 105L (Embryology)	4
Physics	
Physics 50abL (General Physics)	8
English	
English 1ab (Introductory Course)	6
Modern Language	
French 1ab and 2ab, or German 1, 2, and 5ab	15

*For students desiring a better training in Analytical Chemistry, 115L, 3 units, is recommended.

The three-year premedical course covers fully the subject and unit requirements for admission to the School of Medicine. By an appropriate choice of electives in the pre-medical course it is possible for a student to secure an undergraduate major in either chemistry or biology, the chemistry and biology of the first year of medicine being taken into consideration. The completion of an undergraduate major in the three-year premedical course and the first year of medicine is required of those who seek both the A.B. and M.D. degrees. †Students who seek the A.B. degree should meet the Lower Division and General requirements of the university.

Recommended Three-Year Premedical Course

(Courses described in the Bulletin of the College of Letters, Arts, and Sciences)

First Year	Units 1st Sem.	2nd Sem.
English 1ab, Introductory Course	3	3
*German 5ab or French 2ab	3	3
Chemistry 2abL, Inorg. Chem. and Qual. Anal.	4	4
Mathematics 10ab, General Mathematics	3	3
Orientation 1	1	0
‖Physical Education Activities	1	1
Speech 30a, Public Speaking I	0	2
	15	16

Second Year		
Chemistry 15L, Anal. Chem.-Intro. Quant.	4	0
English 20ab, General Survey of English Literature	3	3
Phil. 1ab or Sociol. 1ab, Man and Civilization	3	3
‖Physical Education Activities	1	1
‡Physical Educ. 49, Health Education	0	2
Speech 30b, Public Speaking I	0	2
Zoology 1abL, General Zoology	4	4
Elective	0	1
	15	16

†See pages 53, 54, and 55 in the bulletin of the College of Letters, Arts, and Sciences.

*Students not offering two years of German or French for admission will take German 1 and 2 or French 1ab, and continue the language in the second year.

‖To be selected from courses 1 to 43, inclusive.

‡Phys. Ed. 49 and electives are available either semester.

Third Year

Chemistry 122abL, Organic Chemistry	4	4
History 77, United States Constitutional History and Ideals	2	0
§Physics 50abL, General Physics	4	4
Psychology 1, General Psychology	0	3
Zoology 100L, Comparative Anatomy of Vertebrates	4	0
Zoology 105L, Embryology	0	4
Electives	2	1
	16	16

Total units—94.

Application for Admission. Applications for admission to the School of Medicine should be addressed to the Dean of the School of Medicine, University of Southern California, Los Angeles. These should be received, if possible, prior to March 1. Credentials supporting the application and all other information called for must be available promptly.

Selection of Applicants. A limited number of applicants meeting the requirements for admission to the School of Medicine will be appointed each year to membership in the first-year class, the appointments being based on considerations of scholarship and promise of future value in the medical profession. No applicant will be appointed whose average scholarship in premedical collegiate work is below C. A personal interview is required of all applicants.

Notice of Appointment. Notice of appointment to the first-year class will be sent to successful applicants as soon as possible after May 1. Written acceptance of the appointment, accompanied by an acceptance fee of twenty-five dollars, must be received by the Office of Admissions within ten days after notification of appointment.

The fees accompanying acceptances are not refundable, but may be applied as part payment of the tuition fees.

Admission with Advanced Standing. A student from another medical school may be admitted to advanced standing, provided (1) that there is a vacancy in the class; (2) that the applicant's premedical training fully meets the requirements for admission to

§Students not offering Physics for admission will take Physics 1abL.

this school; and (3) that the medical faculty is willing to accept the work done elsewhere as a satisfactory substitute, both in content and quality, for that portion of the curriculum from which he may be excused. Any student applying for admission with advanced standing may be required to qualify by passing a comprehensive examination or examinations in individual subjects.

Applicants for admission with advanced standing are required to file their applications with the Director of Admissions, who together with the Dean of the Medical School will determine whether the requirements have been met.

Scholarship

A student failing in any one subject may be permitted to repeat the work in whole or in part or take another examination, or both, provided his general average, including the subject in which he failed, is "C" or above for the entire year.

A student who has failed to maintain an average of "C" in the required work of any year, but who has passed in all subjects, shall be given an opportunity to demonstrate his fitness for further study of medicine before a committee of the Faculty to be appointed by the Dean. In accordance with the recommendation of this committee, the student shall be permitted or denied further registration. In order to avail himself of this opportunity, a student shall make written request therefor, within three days of the time when he is notified of his standing, and the examination shall be held within one week of the filing of his request.

Written or oral quizzes, recitations or examinations are given from time to time in several courses of lectures or clinics but are given in the time regularly assigned to such work and do not interfere with other work in progress.

In the third and fourth years the rating of students in Medicine and Surgery is determined not only by the final examination, which may include questions concerning subordinate subjects, but any marks given during the progress of any of the major or subordinate subjects or elective courses are taken into consideration in determining the final mark.

In the third and fourth years, the subjects to which the two regulations governing the promotion of students, as stated in the first two paragraphs of this section, will apply are four for the third year and three for the fourth year, namely, the principal subjects indicated as comprising the final examinations.

Subjects of Study

In the first year four subjects are included, a final examination and a mark being given in each subject:

Gross Anatomy
Biochemistry
Histology
Anatomy of the Nervous System

In the second year, final examinations and marks are given in nine subjects:

Bacteriology and Immunology
Clinical Laboratory Methods
Obstetrics
Parasitology
General Pathology
Special Pathology
Pharmacology
Physical Diagnosis
Physiology

In the third and fourth years final examinations are given at the end of each year as follows:

Third Year (4 examinations)

(1) Pathology

(2) Medicine—to include the following:
Dermatology
Neurology
Pediatrics
Public Health
Radiology

(3) Surgery—to include the following:
Anaesthesia
Ophthalmology
Orthopedics
Otology, Rhinology, and Laryngology
Urology

(4) Obstetrics and Gynecology

Fourth Year (3 examinations)

(1) Medicine—to include the following:
Dermatology
Neurology
Pediatrics
History of Medicine
Medical Jurisprudence and Economics
Therapeutics

(2) Surgery—to include the following:

Ophthalmology
Orthopedics
Otology, Rhinology, and Laryngology
Urology
Neurosurgery
Oral Surgery

(3) Obstetrics and Gynecology

The Fifth Interne Year

Following the completion of the fourth year, students are required to secure an interneship in a hospital approved for interneship by the Executive Committee. They are required to register for this fifth year, no fee being charged for such registration, and to make such reports from time to time during the progress of the interneship as may be required by the Executive Committee or its representatives. Conferences or examinations may be required of fifth-year students during or at the end of the interne year before recommendation for the degree of Doctor of Medicine. In special cases a year of laboratory work may be substituted for the interne year.

Degrees

The Degree of Doctor of Medicine. The five-year course in the School of Medicine leads to the degree of Doctor of Medicine (M.D.). The fifth year must be spent in practical medical work under competent supervision. The degree is not conferred until after the satisfactory completion of this requirement.

The Degree of Bachelor of Arts. A student may receive the degree of A.B. at the end of the first year in the School of Medicine, if he has met the admission requirements for that degree; has completed, in the College of Letters, Arts, and Sciences, ninety-four units with ninety-four grade points computed on those units, of which at least twenty-eight units have been completed at the University of Southern California, and has included the Lower Division and *General requirements and the requirements for admission to the School of Medicine; and has completed the prescribed work (thirty-one units) of the first year for the degree of M.D. For the undergraduate degree, the student must present a specified number of required and elective units and an equal number of grade points computed on these units.

*The General requirements, with the exception of the two units of Constitutional History or its equivalent, will not be required of transferring premedical students who enter the University at the beginning of their fourth year.

If the student has met all subject requirements, but enters the School of Medicine with a minimum of ninety units, with an equal number of grade points computed on these units, he may substitute units in the fundamental sciences of the second year of Medicine for the units he is lacking in the College of Letters, Arts, and Sciences.

The Degrees of Master of Arts and Doctor of Philosophy. Most of the courses included in the curriculum of the first two years of the medical course are accepted by the Council on Graduate Study and Research for graduate credit. Properly qualified individuals may pursue special work in the preclinical departments leading to advanced masterate and doctorate degrees.

Fees and Expenses

†Tuition for college year (including Acceptance Fee) $400.00

This fee may be paid at time of registration at the beginning of the First Semester or in two installments of $200; one at the beginning of the First Semester, the second at the beginning of the Second Semester.

Registration Fee, per semester (required of all students and not refundable) 10.00

Library, per semester 5.00

‡Deposits:

First Year—

Histology 10.00

Biochemistry 10.00

Second Year—

Bacteriology and Pathology 10.00

Physiology and Pharmacology 10.00

Late Registration 3.00

This fee is charged if tuition and fees are not paid before the first day of instruction. Registration must be completed on the days appointed for the registration of each class. No student will be permitted to register later than the last day of the first week of instruction.

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†Students discontinuing their work at any time during the First Semester will be charged a Tuition Fee of $200. If they have paid the Tuition Fee of $400 for the whole year they may receive a refund of $200. No refunds of Tuition Fees are available for students discontinuing their work during any part of the second Semester.

‡At the end of the year, after the cost of equipment broken is deducted, the balance is refunded.

Graduation Fee..... 10.00

Special Examinations. A fee of three dollars is charged for each of the following special examinations:

1. Examinations for credit on work for which special credentials cannot be supplied.
2. Examinations to make up grades of Ie.
3. Examinations given outside of regular examination schedule.

County Hospital Fee.....$2.50 to $5.00

The University reserves the right to change without notice any of the rates printed in this Bulletin.

Each student is required at the beginning of the course to provide himself with a satisfactory microscope. It is recommended that the purchase of the microscope be deferred until after consultation with a member of the faculty.

Board and room are provided in the Residence Halls at the lowest reasonable cost. A limited number of men in the professional schools can be accommodated in Aeneas Hall. Rooms are engaged by the semester and cannot be vacated within that time. The cost per semester, of room and board six days a week in Aeneas Hall is from $151 to $161 for a single room and from $127 to $132 for a double room. Fees are payable by the semester, and a deposit of $10 (not refundable) must accompany application for rooms. This deposit is included in the amount payable at registration. Students residing in the dormitory must make a breakage deposit of $10. After the cost of damages is deducted, the balance is refunded at the end of the year.

All inquiries concerning fees and accommodations at Aeneas Hall and the requests for reservations should be addressed to the Manager of Aeneas Hall, 837 West Thirty-sixth Place.

Room and board may be obtained in private homes at a cost ranging from $30 to $45 per month.

COURSES OF INSTRUCTION IN MEDICINE

Department of Anatomy

Professor: McKibben (Chairman of Department)
Associate Professor: MacCallum
Instructors: Bartosh, Fulton, MacColl
Assistant: Radcliffe

FIRST YEAR

300ab. Gross Human Anatomy. A complete dissection of the human body. Occasional lectures and recitations. At the beginning of the course several lectures are given introductory to the work in the dissecting room.

The bones and gross sections of the body are studied in connection with the dissection of each region.

When the dissection of the abdomen begins, the development of the human body with special reference to the circulatory, respiratory, gastrointestinal and genitourinary systems is considered. Lectures and demonstrations supplement the study in the laboratory of mammalian embryos and fetuses.

The dissection is divided into the following parts:

(1) Dissection of the Upper Extremity.
(2) Dissection of the Lower Extremity.
(3) Dissection of the Abdomen.
(4) Dissection of the Thorax.
(5) Dissection of the Head, Neck, and Back.

Examinations are given immediately on the completion of each part, and a general examination covering the gross anatomy of the whole body concludes the course.

(500 hours—7 units each semester.) McKibben and Staff

310. Human Histology. A study of certain elements of cytology, histology, and organology. It covers in a general way all tissues and organs of the body, but special emphasis is placed on the study of the circulatory, respiratory, alimentary, genitourinary, and endocrine systems. The development of certain organs is considered, and frequent use is made of fresh tissues. Lectures, demonstrations, and recitations are given as required.

(162 hours—5 units; first semester.) MacCallum and Staff

320. Anatomy of the Nervous System. A course given in conjunction with the dissection of the head and neck. A detailed study of the spinal cord is first undertaken. This is followed by the dissection of the brain of the sheep and the dissection of the human brain. A study of microscopic sections of the brain stem,

and the cerebral cortex follows the dissection of the human brain; and the connections of the more important conduction pathways within the central nervous system are dealt with, as well as the structure and connections of the organs of special sense. Functional relationships are stressed rather than morphological detail. Lectures and demonstrations are given as required.

(112 hours—4 units; second semester.)

McKibben, MacCallum, and Staff

GRADUATE COURSE

†**280ab. Research in Anatomy.** Materials and equipment are available for investigation by those properly qualified.

(Two to six units each semester.) McKibben, MacCallum

Department of Biochemistry

Professor: Deuel (Chairman of Department)
Instructor: Butts
Assistant: Gulick

FIRST YEAR

340ab. Biochemistry. A consideration of the physical chemical basis of life processes and the chemical composition of the tissues and secretions, with special attention to the metabolism of the human body.

(70 hours—3 units; first semester.)

(224 hours—6 units; second semester.) Deuel and Staff

GRADUATE COURSES

†**200. Biochemistry.** (Advanced.) Individual and group instruction for students who have had an elementary course equivalent to 340ab. A knowledge of physiology and organic chemistry is also requisite. A laboratory course including the separation, purification, and identification of various products of biochemical interest.

(Four units.) Deuel and Staff

240ab. Seminar in Biochemistry. Students are required to prepare abstracts of papers appearing in English, German, and French biochemical literature; these are discussed in connection

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†Is not required in the curriculum for the M.D. degree.

N.B.—All courses of the 200 level and all courses outlined for the first and second years, except Medicine 480 and 482, are available for graduate credit, and with the approval of advisers may be utilized in programs leading to the advanced academic degrees.

with recent advances in biochemistry and physiology. Open to students having a comprehensive knowledge of biochemistry.
(Two units each semester.) Deuel and Staff

†**282ab. Research in Biochemistry.** Open to graduate students properly qualified in biochemistry and physiology. Hours to be arranged.
(Two to six units each semester.) Deuel and Staff

Department of Physiology

Professor: Drury (Chairman of Department)
Instructor: Greeley

SECOND YEAR

400. Physiology. Lecture, library, and laboratory work in the mechanics of living matter, with special reference to man. The activities of tissues as systems for integrated action in the interests of the body as a whole will be presented in detail.
(263 hours—7 units; first semester.) Drury and Staff

GRADUATE COURSES

†**250ab. Seminar in Physiology and Pharmacology.** Offered jointly by the staffs in Physiology and Pharmacology. Students are required to prepare abstracts of papers appearing in English, German, and French physiological and pharmacological literature. Open to properly qualified students.
(Two units each semester.) Drury, Thienes

†**274. Quantitative Physiology.** The standard quantitative procedures used in functional pathology, including methods for studying general and special metabolism and the circulatory, respiratory, and renal systems. Designed for advanced students in Physiology.
(Two to four units; first semester, repeated second.) Drury and Staff

†**284ab. Research in Physiology.** Properly qualified students will be permitted to engage in investigation. Hours and credits to be arranged.
(Two to six units each semester.) Drury and Staff

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†Is not required in the curriculum for the M.D. degree.

Department of Pharmacology

Professor: Thienes (Chairman of Department)
Instructor: Greeley

SECOND YEAR

410. Pharmacology and Toxicology. Experiments and discussions dealing with the actions, chemical nature, sources, official preparations, and dosage of such drugs and poisons as are of importance in the practice of medicine.

(224 hours—5 units; second semester.) Thienes and Staff

GRADUATE COURSES

†250ab. Seminar in Physiology and Pharmacology. Offered jointly by the staffs in Physiology and Pharmacology. Participants are required to prepare abstracts of papers appearing in English, German, and French physiological and pharmacological literature. Open to properly qualified students.

(Two units each semester.) Thienes, Drury

†286ab. Research in Pharmacology. Properly qualified students will be permitted to engage in investigation. Hours and credits to be arranged.

(Two to six units each semester.) Thienes and Staff

Department of Pathology

Professors: Hall (Chairman of Department), Van Wart
Associate Professor: Foord
Assistant Professor: Butt
Assistant: Edmundson

SECOND YEAR

450. General Pathology. A practical laboratory course in general pathology, including an introduction to the infectious granulomata and tumors. Four lectures and two laboratory periods per week.

(158 hours—6 units; first semester.) Hall, Butt

Special Pathology

Lectures and demonstrations of fresh and preserved gross material and microscopic specimens illustrating selected chapters of human pathology. Conferences and diagnostic exercises are held in the first semester of the third year.

†Is not required in the curriculum for the M.D. degree.

451. Pathology of the Infectious Diseases. One lecture and one two-hour demonstration period each week.

(64 hours—3 units; second semester.) Hall, Butt

THIRD YEAR

550ab. Third Year Pathology. (70 hours.)

Pathology of the Granulomata and Chronic Diseases. Two lectures and one two-hour diagnostic exercise each week.

(70 hours—first semester.) Hall, Butt

Students of the Third Year are required to attend the autopsies on patients to which they have been assigned as clinical clerks on the medical wards.

FOURTH YEAR

Clinical Pathological Conference. Once a week throughout the year.

(33 hours.) Hall and Staff

GRADUATE COURSES

†**270ab. Seminar in Pathology.** Current literature in the field of pathology embracing the important journals in English, German, and French are abstracted and discussed. Important advances in the field are considered. Primarily for the staff, but open to a limited number of advanced students.

(2 units each semester.) Hall and Staff

†**290ab. Research in Pathology.** Open to properly qualified students who have completed courses 450 and 452.

(Two to six units each semester.) Hall and Staff

Department of Bacteriology

Professor: Kessel (Chairman of Department)
Associate Professor: Lamson
Assistant Professor: Hoyt
Assistants: Arthur, Fisk

SECOND YEAR

440. Bacteriology. The bacteria, rickettsiae, spirochetes, and filterable viruses which serve as etiologic agents in human disease are studied with reference to their morphologic and physiologic

†Is not required in the curriculum for the M.D. degree.

characteristics, their epidemiologic relationship and their pathogenicity in man and animals.

(122 hours—4 units; first semester.) Kessel, Hoyt, and Staff

(Courses 440 and 441 are given in combination.)

441. Serology and Immunology. A basic course emphasizing the principles underlying infection and resistance. The student is required to familiarize himself with the practical laboratory procedures based on these phenomena. A part of the course is devoted to a consideration of asthma, hay-fever, and other anaphylaxis-like conditions.

(61 hours—2 units; first semester.) Lamson, Hoyt, and Staff

442. Medical Parasitology and Mycology. The protozoa, helminths and insects important as the causes and vectors of disease are studied, special emphasis being placed on the laboratory diagnosis and clinical manifestations of the parasitic diseases most commonly encountered in this region. One portion of the course is devoted to the special consideration of the pathogenic fungi, many of which are endemic in California.

(114 hours—3 units; second semester.) Kessel and Staff

GRADUATE COURSES

†**260ab. Seminar in Microbiology.** Reports and discussions on recent advances in Bacteriology, Mycology, Parasitology, or Serology. Open to qualified students and physicians.

(Two units each semester.) Kessel and Staff

†**288ab. Research in Bacteriology and Parasitology.**

(Two to six units each semester.) Kessel and Staff

Department of Medicine

Honorary Professor: Dock

Professor: Raulston (Chairman of Department)

Clinical Professors: Granger, King, Krause, Mason, Pottenger, Smith, Stone, West

Associate Clinical Professors: Anderson, Berman, Bower, Cunningham, Keeney, Kristensen, Lacey, Leake, Ruddock, Thomas, Ware, Webster

Assistant Professors: Noble, Roberts

Assistant Clinical Professors: Coffin, Hare, Hoffman, Otto, Shambaugh, Van Scoyoc

Instructors: Askey, Bennett, Burns, Cates, Davison, Dougherty, Gibbs, Gilkey, Hawkins, Houck, Kahn, Kennicott, McDonald, Martin, Meals, Murray, Pottenger, Rapaport, Reynolds, Sampson, Shelton, Vener, Weber, Whalen, Ziskind

Assistants: Brown, Fitzgibbon, Francis, Kay, Kirchner, Nelson

Fellow: Fallon

†Is not required in the curriculum for the M.D. degree.

Dermatology

Clinical Professor: Frost
Associate Clinical Professors: Campbell, Chambers, Wilhelm
Instructors: Halloran, Koetter
Assistant: Olsan

Experimental Medicine

Associate Professor: Bonynge

Neurology

Clinical Professor: Ingham
Associate Clinical Professors: Carter, Nielsen

Pediatrics

Clinical Professors: Dietrich, Stork
Associate Clinical Professors: Berkley, Fish, Happ, Karshner, Reiss, Rothman
Assistant Clinical Professors: Laton, Shuman
Instructors: Cooder, Earle, Harrison, Nixon, Shelby

Public Health and Preventive Medicine

Associate Professor: Lamson
Lecturers: Geiger, Heterick, Kellogg

Radiology

Associate Clinical Professors: Carter, Davis
Assistant Clinical Professor: Johnson

SECOND YEAR

480. Physical Diagnosis. Demonstrations and practice in the methods of physical diagnosis. An attempt is made to have the student recognize average normal and, as far as possible, contrast these with abnormal conditions. During the last four weeks of the course students are assigned to wards in the hospital for practice in history writing and physical examination of patients. Complete records are submitted by each student to his instructor for correction and discussion.

(75 hours—2 units; second semester.) Anderson and Staff

482. Clinical Laboratory Methods. Practice in the use of methods necessary for routine clinical work. The student makes examinations of urine, gastric contents, feces, sputum, blood, and cerebro-spinal fluid.

(80 hours—3 units; second semester.) Foord and Assistants

THIRD YEAR

580ab. Third Year Medicine. (578.)

Ward Work in General Medicine (Medical Clerkship). During the first semester, and half of the second semester of the third year, the class will be divided into groups of from four to eight students each, and assigned to the wards in the Los Angeles County Hospital as clinical clerks. One hour a day will be devoted to ward rounds, and one hour a week to a conference where the work of the group will be discussed and special subjects considered with the senior attending physician on the ward. Daily, 8:30 to 11:15 A.M.

(320 hours—both semesters.)

Hare, Hoffman, Keeney, Kennicott, Leake, Martin, Noble, Raulston, Ruddock, Shambaugh, Thomas, Ware, Webster, West

Clinic in General Medicine.

(33 hours—both semesters.) Mason

Pediatrics. Lectures dealing with growth and development, infant feeding, disease of the newborn, and contagion.

(33 hours—both semesters.) Dietrich, Happ, Reiss, Rothman

The class is divided into groups of about eight students for ward demonstrations of the management of the newborn and contagious diseases.

(20 hours—second semester.) Rothman, Reiss

Dermatology. Lectures and demonstrations.

(16 hours—second semester.) Frost

Psychiatry. Lectures and presentation of patients in clinic.

(16 hours—second semester.) Ingham

Clinical-Radiological Conference.

(33 hours—both semesters.) Carter

Radiology. Lectures with demonstration of films and lantern slides.

(11 hours—first semester.) Davis

Neurology. Lectures, review of anatomy and physiology as related to the central nervous system, followed by introduction to pathological variations.

(17 hours—first semester.) Ingham, Nielsen

Clerkship in Neurology. Wards for disease of the central nervous system. 8:30 to 11:15 daily for four weeks (included in Medical Clerkship).

Ingham, Nielsen, and Staff

Therapeutics.
(30 hours—first semester.) Roberts

Tuberculosis. Set clinic on pulmonary tuberculosis.
(16 hours—second semester.) Cunningham, Pottenger

Conferences on Special Topics in Internal Medicine.
(33 hours—both semesters.)
Berman, Leake, Noble, Raulston, Ware, Webster, West

Public Health and Preventive Medicine

Lectures on preventive medicine and public health.
(33 hours—both semesters, third year.)

Survey of some practical problem connected with preventive medicine or public health. To be completed during either third or fourth years.
(About 96 hours.) Lamson

FOURTH YEAR

680ab. Fourth Year Medicine. (552 hours.)

Out-patient Service, General Medicine. One third of the class during each clinical period. The group is subdivided for forenoon work in out-patient departments for tuberculosis, heart disease, neurology, allergy, and syphilis: Four mornings, 9:30 to 11:15. The entire group spends five afternoons per week, 1:00 to 5:00, in the out-patient department in general medicine.
(246 hours—one clinical period.)
Cates, Houck, Raulston, Roberts, Sampson

Clinic in General Medicine.
(33 hours—both semesters.) Mason

Clinical Pediatrics. The entire class will spend Wednesday morning at the Children's Hospital. Two hours will be devoted to a clinic in pediatrics where students previously assigned will present patients.
(66 hours—both semesters.) Dietrich, Rothman, and Staff

Contagious Diseases. One third of the class will spend three hours a week in ward rounds and demonstrations during one clinical period.
(33 hours.) Bower and Staff

Neurology. The section attending the medical out-patient service is subdivided so that each student has three weeks in neurology.
(36 hours.) Ingham, Nielsen, and Staff

Dermatology. Out-patient service during one clinical period.
(44 hours.) Frost, Chambers, and Staff

Psychiatry. Clerkship on psychiatric wards.
(88 hours.) Ingham, Carter

Medical Jurisprudence and Economics. Six lectures.
(6 hours.)

Elective Courses

Diseases of the Gastrointestinal Tract. An intensive study for a small group. Second or third clinical period.

Neuropsychiatry. Ward and out-patient work.

Syphilis. By the staff in dermatology with special reference to treatment.

Pediatrics. Out-patient work.

Department of Surgery

Professors Emeritus: Beckett, MacGowan
Professor: Rowan (Chairman of Department)
Lecturer: Lobingier
Clinical Professors: Hunt, Kahn, Moore, Shoemaker, Smith, Sturgeon, Toland
Associate Clinical Professors: Bayley, Chaffin, Schiffbauer, Sherry
Assistant Professor: Berne
Assistant Clinical Professors: Larson, Murrieta, Norris
Instructors: Askey, Blaisdell, Cooper, Fagan, Flamson, Henry, Hunter, Kroger, Macdonald, Paine, Reed, Schmoele, Thompson, Vidgoff, Vinetz
Assistants: Hillyard, Pallette, Totten

Anaesthesia

Associate Clinical Professor: Guedel
Instructor: Heissig

Neurological Surgery

Clinical Professor: Rand
Assistant Clinical Professors: Adelstein, Patterson

Ophthalmology

Clinical Professor: Weymann
Associate Clinical Professors: Dow, Fisher, Irvine, LaMotte, Macleish, Walker
Instructors: Cady, Endres, Kinney, Miller, Whalman
Assistants: Lordan, McCoy, Nesburn

Oral Surgery

Associate Clinical Professor: Tholen
Instructor: Balyeat

Orthopedic Surgery

Clinical Professor: Wilson
Assistant Clinical Professors: Barnard, Stewart, Thurber
Instructors: McKeever, McMaster, Mathews, Meade, Plimpton, Shelton, Stephens, Thompson, Walker
Assistant: Prigge

Otology, Rhinology, Laryngology

Professor Emeritus: Hastings
Clinical Professor: Brown
Associate Clinical Professors: Detling, Jesberg, Jones, Lewis, Linthicum
Instructors: Barnard, Bowman, Semenov, Viole
Assistants: Cameron, Keiper, Love

Urology

Associate Clinical Professors: Ferrier, Hager, Wright
Assistant Clinical Professors: Crane, Fieseler
Instructor: Craig

THIRD YEAR

500ab. Third Year Surgery. (244 hours.)

Principles of Surgery. A conference course on the Principles of Surgery. Three hours each week during the first semester of the third year.

(52 hours.) Berne

Clinic in General Surgery. Demonstration clinics are held for one hour each week during the third year. These are clinics in which special attention will be given to direct and differential diagnosis and indications for treatment.

(33 hours.) Rowan and Staff

Dispensary Clinics. The class is divided into sections and for one half of the second semester work in minor surgery in the Out-patient Department for two hours three days each week.
(42 hours.) Rowan and Staff

Urology. Conference course for one hour each week during the second semester.
(16 hours.) Wright

The class divided in sections spends two hours each week for one half of the second semester in clinical work in urology.
(14 hours.) Ferrier, Hager, Crane, Craig

Bone and Joint Surgery. Clinical conference course two hours each week during the second semester.
(32 hours.) Wilson and Staff

Ophthalmology. Conference course on the commoner diseases of the eye, one hour each week during the second semester.
(16 hours.) Weyman and Staff

Otology, Rhinology, and Laryngology. Conference course one hour each week during the second semester.
(16 hours.) Brown and Staff

Anaesthesia. Conference course one hour each week for six weeks during the second semester.
(6 hours.) Guedel

Proctology. Conference course one hour each week for five weeks during the second semester.
(5 hours.) Murrieta

Clinical conference course in which students spend four hours in diagnostic clinic in small groups.
(4 hours.) Murrieta

Neurosurgery. Conference course one hour each week for six weeks during the second semester.
(6 hours.) Patterson and Adelstein

FOURTH YEAR

600ab. Fourth Year Surgery. (314 hours.)

Ward Work in Surgery (Surgical Clerkship). One third of the class is divided into two sections, these students serving as

clinical clerks in the surgical wards during one clinical period of seven weeks. Members of the staff will make ward rounds with each section for two hours four days each week. During this period the students will give anaesthetics under supervision.

(122 hours.) Bayley, Rowan, Sherry, Shoemaker, Sturgeon

Demonstration Clinic in Surgery. One hour each week throughout the year. Includes clinics in neurosurgery, proctology, chest surgery, orthopedic surgery, and oral surgery.

(33 hours.) Rowan and Staff

Orthopedic Surgery. A clinical conference course will be given to the entire class for two hours a week for thirteen weeks during the fourth year.

(26 hours.) Wilson and Staff

Urology. Conferences and ward rounds during one clinical period.

(12 hours.) Crane

Ophthalmology. Clinical conference for two hours twice each week to small groups during one clinical period.

(44 hours.) Weymann and Staff

Otology, Rhinology, and Laryngology. Clinical conference course two hours each week to small groups during one clinical period.

(22 hours.) Brown and Staff

Surgical Pathology. Each section of the surgical clerkship group meets for two hours once each week during the clerkship period.

(22 hours.) McMaster and Macdonald

Lectures in Surgery. Conference course on abdominal surgery one hour each week during the year.

(33 hours.) Hunt

Chest. (Included in Surgical Clerkship.)

Schiffbauer

Fractures. (Included in Surgical Clerkship.)

Wilson and Staff

Neurosurgery. (Included in Surgical Clerkship and demonstration clinic.)

Rand

Oral Surgery. (Included in Surgical Clerkship.)
Tholen and Staff

Elective Courses

Ophthalmology. Training in refraction, and practical instruction in diagnosis and treatment of the eye in the Out-patient Department.
(Third clinical period.)

Otology, Rhinology, and Laryngology. Out-patient work.

Varicose Veins. Each section of the surgical clerkship group meets for two hours once each week during half the clerkship period.
(12 hours.) Rowan and Staff

Emergency Surgery. Each section of the surgical clerkship group meets for five hours one night each week during the clerkship period.
(55 hours.) Berne and McMaster

Department of Obstetrics and Gynecology

Obstetrics

Professor: McNeile (Chairman of Department)
Associate Professor: Tollefson
Associate Clinical Professors: Krahulik, McKee, Vruwink, Williams
Assistant Clinical Professors: Alward, Pierce
Instructors: Fagan, Hanley, McBurney, Marshall, Reynolds, Spencer

Gynecology

Clinical Professor: Shaw
Associate Clinical Professor: Seaver
Instructor: Baldwin
Assistant: Gafford

The work in Obstetrics and Gynecology consists of recitations, conferences, clinical lectures, ward rounds, prenatal and postpartum clinics, attendance upon cases in labor, and manikin practice. All work is supervised by a member of the Staff.

SECOND YEAR

420. Introduction to Obstetrics and Gynecology. The female pelvis and genitalia, puberty and menstruation, reproduction, developmental anomalies, anatomy, physiology and diagnosis of pregnancy.
(16 hours—1 unit; second semester.)

THIRD YEAR

520ab. Third Year Obstetrics and Gynecology. (72 hours.)

Physiology of labor and the puerperium; management of normal pregnancy, labor and the puerperium.
(17 hours—first semester.)

Pathology of pregnancy, labor and the puerperium; obstetrical operations.
(16 hours—second semester.)

Principles of Gynecology. A conference course on the Principles of Gynecology. One hour each week.
(33 hours.) Shaw and Staff

Diagnostic Clinic in Gynecology. The examination of patients, under anaesthesia. Limited to groups of three students.
(6 hours.) Shaw and Staff

FOURTH YEAR

620ab. Fourth Year Obstetrics and Gynecology. (453 hours.)

Pathology of pregnancy, labor and the puerperium; obstetrical operations.
(17 hours—first semester.)

Clinical and Operative Obstetrics. Presentation of pathological and operative cases, and demonstrations of obstetrical operations upon the manikin.
(16 hours—second semester.)

Conference Course in Obstetrics and Gynecology. Recitation and quiz on obstetrics and gynecology. A general review.

Clinical Obstetrics. The bloc system is used in this Department. Sections limited to twelve students are assigned to Clinical Obstetrics for six weeks during the fourth year.
(420 hours.)

During this period their entire time is devoted to Obstetrics, as follows:

Maternity Service. An out-patient obstetrical dispensary which annually conducts 1800 deliveries and averages 12,000 dispensary visits for prenatal or postpartum care. Each student attends prenatal and postpartum clinics, personally examining a large number

of cases, and conducts from ten to fifteen labors. All dispensary work and student deliveries are done under the immediate supervision of a teaching obstetrician. For groups of four students for a period of two weeks.

Los Angeles County Hospital. Eight students spend four weeks in residence in the Obstetrical Department of this Hospital. Intensive training is given in prenatal and postpartum care, and the conduct of labor. During his service the student witnesses all normal and operative deliveries (not less than 100), makes daily ward rounds with a member of the teaching staff, serves as clinical clerk on the ward, attends weekly obstetrical conferences conducted by the Staff, and takes his course in manikin practice.

Manikin Practice. Under the supervision of an instructor each student is required to perform each of the various obstetrical procedures upon the manikin. Thorough instruction in the mechanism of labor, a quiz upon operative obstetrics, and the diagnosis and treatment of all complications of labor, are included in this course. For groups of four students, six demonstrations of two hours each.

Ward Work in Gynecology. Students act as clinical clerks in the wards of the Los Angeles County Hospital, and under the direction of the Staff will follow the preoperative, operative, and postoperative care of gynecological cases. Ward rounds with the Staff are made three times each week. Limited to groups of eight students, serving for four weeks during the obstetrical clinical period. (36 hours.)

Obstetrical and Gynecological Pathology. Lecture and demonstration of gross and microscopic anatomy. Limited to eight students, eight hours, given in connection with Ward Work.

Dispensary Clinics in Gynecology. Conference in practical gynecology, given in connection with the "Ward Work in Gynecology" in the Out-patient Gynecological Department of the Los Angeles County Hospital.

SCHOOL OF MEDICINE

Summary of Hours

1934-1935

	First Year	Second Year	Third Year	Fourth Year	Total
Anatomy—Gross	500	.....	.....	.....	500
Histology	162	.....	.....	.....	162
Nervous System	112	.....	.....	.....	112
Biochemistry	294	.....	.....	.....	294
Physiology	.....	263	.....	.....	263
Pharmacology	.....	224	.....	.....	224
Pathology	.....	222	70	33	325
Bacteriology	.....	122	.....	.....	122
Immunology	.....	61	.....	.....	61
Parasitology	.....	114	.....	.....	114
Public Health	.....	.....	81	48	129
Medicine—including:	.....	155	578	552	1,285
Pediatrics					
Dermatology					
Radiology					
Neuropsychiatry					
Surgery—including:	.....	.....	244	314	558
Orthopedics					
Urology					
Ophthalmology					
Otology, Rhinology, and Laryngology					
Neurosurgery					
Oral Surgery					
Obstetrics and Gynecology	.....	16	72	*453	*541
Electives	.....	.....	.....	†176	.....
	1,068	1,177	1,045	*1,400	*4,690

*Includes Clinical Obstetrics.
†Not included in total.

SCHOOL OF MEDICINE
SCHEDULE OF FIRST-YEAR CLASSES, 1934-35
First Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 12	Gross Human Anatomy Med. 300a					
1:15 to 4:45	Histology Med. 310	Biochemistry Med. 340a 1:15-3:15	Histology Med. 310	Biochemistry Med. 340a 1:15-3:15	Histology Med. 310	

SCHOOL OF MEDICINE
SCHEDULE OF FIRST-YEAR CLASSES, 1934-35
Second Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 12	Gross Human Anatomy Med. 300b					Biochemistry Med. 340b 8:30-12
1:15 to 4:45	Anat. of Nerv. System Med. 320	Anat. of Nerv. System Med. 320	Biochemistry Med. 340b	Biochemistry Med. 340b	Biochemistry Med. 340b	

SCHOOL OF MEDICINE
SCHEDULE OF SECOND-YEAR CLASSES, 1934-35
First Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:00	Physiology Med. 400		Physiology Med. 400		Physiology Med. 400	
9:00		Physiology Med. 400		Physiology Med. 400		
10:00						
11:00		Pathology Med. 450		Pathology Med. 450		
1:15 to 4:45	Bacteriology and Immunology Med. 440-441	Pathology Med. 450	Bacteriology and Immunology Med. 440-441	Pathology Med. 450	Bacteriology and Immunology Med. 440-441	

SCHOOL OF MEDICINE
SCHEDULE OF SECOND-YEAR CLASSES, 1934-35
Second Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 10:30	Pharmacology Med. 410 8:00-12:00	Physical Diagnosis Med. 480	Pharmacology Med. 410 8:00-12:00	Physical Diagnosis Med. 480	Physical Diagnosis Med. 480	Pharmacology Med. 410
10:30 to 12:00						
1:00 to 2:00	Pathology Med. 451	Parasitology Med. 442	Pathology Med. 451	Parasitology Med. 442	Pathology Med. 451	
2:00 to 3:00	Clinical Laboratory Methods Med. 482		Clinical Laboratory Methods Med. 482			
3:00 to 5:00				Obstetrics Med. 420	Pharmacology Med. 410	

SCHOOL OF MEDICINE
SCHEDULE FOR THIRD-YEAR CLASSES, 1934-35
First Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 11:15	Medicine Wards	Medicine Wards	Medicine Wards	Medicine Wards	Medicine Wards	9:00-11:00 Therapeutics
11:15 to 12:15	Neurology	Surgery Clinic	Medicine Clinic	Radiology Clinic	Medicine Clinic	
1:30	Surgery	Surgery	Surgery	1:00-2:00 Public Health		
2:30	Pathology	X-ray	Pathology		Pathology	
3:30						
4:00	Pediatrics	Gynecology	Obstetrics			

SCHOOL OF MEDICINE
SCHEDULE FOR THIRD-YEAR CLASSES, 1934-35
Second Semester
(Sections [Medicine and Surgery] change April 8, 1935)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30	8:10-9:10 Obstetrics	Orthopedics	Medicine Wards or Surgery Out-patient	Medicine Wards or Surgery Out-patient	Medicine Wards or Urology	
9:30 to 11:15	Medicine Wards or Surgery Out-patient	Orthopedic Wards				
11:15 to 12:15	Dermatology	Surgery Clinic	Tuberculosis	Medicine Clinic	Medicine Clinic	
1:00	Pediatrics	X-ray Conference	Psychiatry	Public Health	Otolaryngology	
2:00	Gynecology Clinic	Ophthalmology	Anesthesia and Proctology	Urology		
3:00	Gynecology					

SCHOOL OF MEDICINE
SCHEDULE OF FOURTH-YEAR CLASSES, 1934-35

In the fourth year the class is divided into three sections, the school year into three clinical periods, and the work to be done into three subdivisions. Each clinical period extends for approximately eleven weeks.

	Group I	Group II	Group III
1st Clinical Period Sept. 24, 1934 to Dec. 8, 1934	Obstetrical Period Clinical Obstetrics—6 weeks Dermatology, Communicable Diseases, Gynecology, Psychiatry } 5 weeks	Surgical Clerkship Period	Medical Out-patient Period
2nd Clinical Period Dec. 8, 1934 to Mar. 9, 1935	Medical Out-patient Period	Obstetrical Period Clinical Obstetrics—6 weeks Dermatology, Communicable Diseases, Gynecology, Psychiatry } 5 weeks	Surgical Clerkship Period
3rd Clinical Period Mar. 9, 1935 to May 29, 1935	Surgical Clerkship Period	Medical Out-patient Period	Obstetrical Period Clinical Obstetrics—6 weeks Dermatology, Communicable Diseases, Gynecology, Psychiatry } 5 weeks

When on medical out-patient service, eight weeks are devoted to general medicine and three to neurology. Students assigned to the subdivision including clinical obstetrics will spend six weeks on obstetrical service and approximately five weeks in out-patient work in dermatology and in ward rounds and demonstrations in communicable diseases. They will also serve as clerks in psychiatry and gynecology. Clinics in medicine and surgery, a clinical pathological conference and pediatrics at the Children's Hospital continue throughout the year. Students on medical out-patient service and surgical clerkship are required to attend all these clinics and conferences, those on obstetrical service will do so whenever possible.

Electives. Time is available for elective work to a certain extent throughout the year but is greatest during the medical out-patient period. At the beginning of the year each student will submit his program of elective work for approval. Electives in Medicine and Surgery are available as indicated in the description of courses in these departments. Elective work available in Obstetrics and Gynecology and in the preclinical sciences will be announced.

SCHOOL OF MEDICINE
SCHEDULE OF FOURTH-YEAR CLASSES, 1934-35
OBSTETRICAL PERIOD

(Schedule for five weeks following Clinical Obstetrics during Obstetrical period.)

<table>
<tr><th></th><th>Monday</th><th>Tuesday</th><th>Wednesday</th><th>Thursday</th><th>Friday</th><th>Saturday</th></tr>
<tr><td>8:30
to
9:30</td><td>Surgery</td><td rowspan="2">Communicable
Diseases</td><td rowspan="3">Children's
Hospital

Pediatrics
and
Orthopedics</td><td>Obstetrics
Gynecology</td><td rowspan="2">Communicable
Diseases</td><td rowspan="3">Psychiatry
Sections</td></tr>
<tr><td>9:30
to
10:00</td><td rowspan="2">Dermatology</td><td rowspan="2">Dermatology</td></tr>
<tr><td>10:00
to
11:15</td><td></td><td></td></tr>
<tr><td>11:15
to
12:15</td><td>Clinical
Pathological
Conference</td><td>Surgery
Clinic</td><td>Senior
Hour</td><td>Medicine
Clinic</td></tr>
<tr><td>1:30
to
5:30</td><td>Psychiatry
Sections</td><td>Psychiatry
Sections</td><td>Psychiatry
Sections</td><td>Psychiatry
Sections</td><td>Psychiatry
Sections</td><td></td></tr>
</table>

SCHOOL OF MEDICINE
SCHEDULE OF FOURTH-YEAR CLASSES, 1934-35
SURGICAL CLERKSHIP PERIOD

<table>
<tr><th></th><th>Monday</th><th>Tuesday</th><th>Wednesday</th><th>Thursday</th><th>Friday</th><th>Saturday</th></tr>
<tr><td>8:30
to
9:30</td><td>Surgery</td><td rowspan="2">Neurological
and
Chest
Surgery
Wards</td><td rowspan="3">Children's
Hospital

Pediatrics
and
Orthopedics</td><td>Obstetrics
Gynecology</td><td rowspan="2">Fractures
and
Surgery
Wards</td><td rowspan="3">Surgical
Pathology</td></tr>
<tr><td>9:30
to
11:15</td><td>Surgery
Wards</td><td>Urology
and
Surgery
Wards</td></tr>
<tr><td>11:15
to
12:15</td><td>Clinical
Pathological
Conference</td><td>Surgery
Clinics</td><td>Senior
Hour</td><td>Medicine
Clinic</td></tr>
<tr><td>1:30
to
3:30</td><td rowspan="2">Surgical
Pathology
and
Surgery
Wards</td><td>Ophthalmology</td><td rowspan="2">Varicose
Veins
Clinic
and
Surgery
Wards</td><td>Ophthalmology</td><td>Otology
Rhinology
Laryngology</td><td rowspan="2"></td></tr>
<tr><td>3:30
to
5:30</td><td>Surgery
Wards</td><td>Surgery
Wards</td><td>Surgery
Wards</td></tr>
</table>

SCHOOL OF MEDICINE
SCHEDULE OF FOURTH-YEAR CLASSES, 1934-35
MEDICAL OUT-PATIENT PERIOD

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 9:30	Surgery		Children's Hospital	Obstetrics Gynecology	Tuberculosis Clinic and Elective	Elective
9:30 to 11:15	Heart Clinic and Tuberculosis Clinic	Neurology Clinic	Pediatrics and Orthopedics	Neurology Clinic		
11:15 to 12:15	Clinical Pathological Conference	Surgery Clinic		Senior Hour	Medicine Clinic	
1:00 to 2:00	Medicine Out-patient	Medicine Out-patient	Medicine Out-patient	Allergy Clinic	Medicine Out-patient	
2:00 to 5:30				Medicine Out-patient		

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

Session of 1933-34

First Year

Name	School Last Attended and Degrees	Home Address
Abbott, Grant	A.B., Occidental College	Glendale
Andrews, Warren Powell	University of Southern California	Hollywood
*Askew, Carlos J.	A.B., University of Southern California	Los Angeles
Balch, Harry Eugene	A.B., University of California at L. A A.M., University of California	Los Angeles
Beecroft, Ruth Koester	A.B., A.M., University of Minnesota	Los Angeles
Benson, Seymour Kanter	A.B., University of Southern California	Los Angeles
Bernstein, Theodore Isra	University of Southern California	Los Angeles
Beswick, John West	A.B., University of California	Florin
Bingaman, Dixi McLean	A.B., University of California	Salinas
Block, Mary C.	University of Southern California	Los Angeles
Calden, Willard Stephen	University of California	Berkeley
Cane, Edward Martin	University of California at L. A.	Los Angeles
Clothier, William Lewis	A.B., Occidental College	Los Angeles
Cooper, Sam	Occidental College	Los Angeles
Daly, Joseph Austin	University of California at L. A.	San Fernando
DeSadeleer, Homer Eugene	University of Southern California	Long Beach
Elerding, George William	A.B., University of California at L. A.	Long Beach
Fielding, Frederick James	University of California at L. A.	Los Angeles
Fraleigh, John Percival	A.B., University of Southern California	Los Angeles
Freed, Arnold Lawrance	University of Southern California	Los Angeles
French, Jack Douglas	A.B., University of California at L. A.	Los Angeles
Gallison, Frank Everett	University of California	Berkeley
Higgins, John W.	University of Southern California	Los Angeles
Hoover, Harold Roger	A.B., University of California at L. A.	Pasadena
Irons, Wesley Gale	D.D.S., University of California	Los Angeles
Jones, Theodore Clifton	A.B., Stanford University	Palo Alto
Kilbourne, Edwin Deaborn, Jr.	A.B., University of Hawaii	Honolulu, T. H.
Kingsbery, Loyd Batré	A.B., University of Southern California	Los Angeles
Kobal, Arthur Leo	University of Southern California	Los Angeles
Lewis, Harvey Alvin	University of Southern California	Los Angeles
Little, Dana Duncan	University of California at L. A.	Las Vegas, Nevada
Little, William Morse	University of California at L. A.	Las Vegas, Nevada
Lynch, Richard Leslie	A.B., Stanford University	Amador City
McCloy, Neil Patrick	Loyola University, Los Angeles	Los Angeles
McMullen, Colin Bernard	University of Southern California	San Pedro
Magnuson, Harold Joseph	University of Southern California	Los Angeles
Matson, Carlin O.	University of Southern California	Inglewood
Mershon, Robert Henderson	University of Southern California	Long Beach
Naess, Erling Valdimar	A.B., University of Southern California	Santa Barbara
Nemethi, Carl Edward	University of Southern California	Los Angeles
Patterson, Lloyd Hoyt	University of Southern California	Phoenix, Arizona
Pratt, John Rolfe	University of Southern California	Los Angeles
Ritchie, Paul James	University of California at L. A.	Los Angeles
Roberts, Walter L.	A.B., University of Southern California	Los Angeles

*Withdrew end of first semester.

Name	School Last Attended and Degrees	Home Address
*Shear, Henry Richard	University of Southern California	Los Angeles
Smith, Charles Callendar	A.B., University of California	Berkeley
Stratton, Victor Charles	University of California at L.A.	Los Angeles
Tanton, Harry A.	A.B., Pomona College	Los Angeles
Thomas, John Wix	A.B., Pomona College	Hollywood
Trotter, Joseph Trumball, Jr.	University of Southern California	Pasadena
Veitch, Frederick Arthur	A.B., University of Southern California	Los Angeles
Vickers, Joseph Cyril	University of Southern California	Los Angeles
Ward, Thomas O.	University of Southern California	Los Angeles
Watson, Campbell Hagerman	A.B., Stanford University	Beverly Hills
Welden, Robert Cushman	University of Redlands	Hollywood
Wolf, Robert William	University of California	San Francisco

Second Year

Anderson, Ernest Richard	A.B., University of California at L. A.	El Monte
Anderson, Frank Manter	A.B., University of California at L. A.	San Bernardino
Bartlett, John Carleton	Stanford University	Berkeley
Bryant, Alva Luel, Jr.	University of California at L. A. A.B., University of Southern California	Venice
Burstein, Herschel Herbert	University of California at L. A.	Los Angeles
Carlson, Elmer Otto	A.B., University of Southern California	Hollywood
Comparette, Homer Louis	A.B., University of Southern California	Los Angeles
Dahlgren, Arthur Rowell	Stanford University A.B., University of Southern California	Fresno
Deck, John, Jr.	A.B., Stanford University	Santa Monica
Dyke, Louis Henry, Jr.	A.B., University of California	Oakland
Emmons, Lowell Luther	Stanford University	Ontario
Feinberg, Victor	A.B., University of Southern California	Los Angeles
Galbraith, Harold Frederick	University of California	Long Beach
Gallup, Charles Amos	A.B., University of Southern California	Pasadena
Gandin, Morris M.	University of California at L. A. A.B., University of Southern California	Los Angeles
Garrett, Garland Fielding	A.B., Pasadena College	Pasadena
Goto, James M.	University of California at L. A. A.B., University of Southern California	Montebello
Guinney, Francis Edwin	A.B., University of Southern California	Los Angeles
Hadley, Russell Curtis	Stanford University	San Mateo
Hendricks, Coleman Bresee	A.B., Vanderbilt University B.S., University of Southern California	Los Angeles
Jacobson, Leland Carl	B.S., University of Southern California	Los Angeles
Knouf, Evelynne Gwenneth	A.B., University of Southern California	Los Angeles
Leix, Frederick William	A.B., University of Southern California Creighton University School of Medicine	Los Angeles
Lighthill, Jack Albert	University of Chicago	Fort Wayne, Ind.
Linne, Francis Byrnes	A.B., University of Southern California	Pasadena
Long, James Clarke	University of California at L. A. A.B., University of Southern California	Glendale
Lyon, Laurence Leslie	Ph.B., Yale University A.M., Columbia University University of Southern California	South Pasadena
McCoy, David Allen	A.B., Occidental College	Los Angeles
Milliken, Ralph Malcom	A.B., Pomona College	Ontario
Needles, John Walter	A.B., University of Southern California	Glendale

*Withdrew during second semester.

Name	School Last Attended and Degrees	Home Address
Patek, Paul Rosewater	A.B., University of Southern California	Hollywood
Peterson, Henry Charles	Stanford University	Stockton
Riddell, Herman Irving	University of California at L. A. A.B., University of Southern California	Los Angeles
Root, Ralph Nathan	Ph.C., B.S., University of Southern California	Monterey Park
Schmidt, Allen Robert	A.B., University of Southern California	Merced
Soroker, Stella Bella	University of California at L. A. A.B., University of Southern California	Los Angeles
Spungin, Seymour Abraham	A.B., University of Oklahoma University of Oklahoma School of Medicine	Los Angeles
Steele, Warren Nelson, Jr.	A.B., Stanford University	Modesto
Thompson, Roderick Alexander	A.B., University of Southern California	Los Angeles
Tully, Paul White	University of California at L. A. A.B., University of Southern California	Covina
Turkel, Abraham	Ph.C., B.S., A.B., University of Southern California	Los Angeles
Wadsworth, Elmer Eugene, Jr.	A.B., University of Southern California	Milton, Mass.
Westsmith, Richard Alan	A.B., Stanford University School of Medicine	Los Angeles
Wood, Clyde Othur	University of Southern California	Los Angeles
Woodhull, Franklin Earl	A.B., University of California at L. A.	Los Angeles
Zavodnick, Milton	University of California at L. A.	Los Angeles
Ziskin, Daniel E.	A.B., University of Southern California	Los Angeles

Third Year

Althouse, Hugh Christian	A.B., University of Southern California	Los Angeles
Armstrong, Elwin Leroy	University of California A.B., University of Southern California	Oakland
Christian, Sam Gardner	A.B., University of Southern California	Galt
Cramer, Dwight Lester	Ph.G., University of Washington A.B., University of Southern California	Los Angeles
Cutshaw, Charles MacLaren	Stanford University	Brawley
Donath, Douglas Harry	A.B., University of California at L. A.	Los Angeles
Epstein, Herman Commie	A.B., University of California at L. A.	Los Angeles
French, Richard Louis	A.B., Stanford University	Los Angeles
Gates, Carl Francis	Stanford University A.B., University of Southern California	Santa Maria
Harris, George Sidney	A.B., University of Southern California	Los Angeles
Hoff, Cecil Wayne	A.B., University of Southern California	Huntington Park
Hosmer, Rawson Fell	A.B., University of Michigan University of Chicago—The Graduate School of Medicine	Salt Lake City
Houghton, Karl Herbert	University of California at L. A. A.B., University of Southern California	Los Angeles
Jamison, Horace William	University of California at L. A. A.B., University of Southern California	Mar Vista
Lauritsen, Sigrid Hendriksen	A.B., University of California at L. A.	Pasadena
Lew, Irving Abbott	University of California at L. A. A.B., University of Southern California	Los Angeles
Link, Vernon Bennett	University of California at L. A. A.B., University of Southern California	Los Angeles
Mendelsohn, Howard A.	University of California at L. A. A.B., University of Southern California	Los Angeles
†Messenger, Thomas Troupe	A.B., University of California	Fresno
*Mirovich, Joseph Irving	A.B., University of Southern California	Hollywood

*Withdrew end of first semester.
†Withdrew during second semester.

Name	School Last Attended and Degrees	Home Address
†Owens, Harold	A.B., University of California	Glendale
Paxton, John Richard	A.B., University of Southern California	Los Angeles
Phillips, Francis LeRoy	University of California at L. A. A.B., University of Southern California	Long Beach
Priver, Maurice Sterling	University of California at L. A. A.B., University of Southern California	Los Angeles
Rollins, Emanuel	University of California at L. A. A.B., University of Southern California	Los Angeles
Schwartz, Simon DeWitt	A.B., University of Alabama	Beverly Hills
Smith, Gordon Knight	University of Southern California	Los Angeles
Soll, Sydney Nathaniel	University of California at L. A. A.B., University of Southern California	Walnut Park
Sturdevant, Matthew Chafin	A.B., University of Redlands	Pasadena
Topping, Norman Hawkins	University of California at L. A. A.B., University of Southern California	Beverly Hills
Wilkinson, Allan Blodgett	University of California at L.A. A.B., University of Southern California	Beverly Hills
Wilson, Warren Andrew	A.B., Stanford University	Venice
Wood, Charles Milton	B.S., University of Nebraska College of Medicine	Los Angeles

Fourth Year

Baer, Irving Nathan	Ph.G., University of Southern California University of California at L. A. A.B., University of Southern California	Los Angeles
Bennett, Terry Canfield	A.B., University of Southern California	Los Angeles
Borah, Charles Edward	D.D.S., University of Southern California	Phoenix, Ariz.
Feder, Morris Reuben	University of California at L. A. A.B., University of Southern California	Los Angeles
Gibboney, Don Bernard	University of Southern California	Long Beach
Grunewald, Carl Frederick	A.B., B.S., University of Illinois	Pasadena
Hall, George E.	A.B., University of Southern California Loyola Medical School, Chicago	Los Angeles
Harwood, Chad McKinney	A.B., University of Southern California	Santa Ana
Hawley, Carl John	A.B., University of Southern California	Los Angeles
Hogan, William James	A.B., University of Southern California	Los Angeles
House, Howard Payne	A.B., Whittier College	Whittier
Hromadka, John Ben	Stanford University	Santa Monica
Humphreys, Pat Connell	A.B., University of Southern California	Los Angeles
Kennedy, Robert Allen	Santa Barbara State Teachers College A.B., University of Southern California	Santa Barbara
Laubersheimer, Anton	A.B., Stanford University	Los Angeles
Lomas, Max Israel	A.B., University of Southern California	Los Angeles
Lopez, Charles J.	A.B., University of Southern California	Hollywood
Mitchell, William John, Jr.	A.B., University of Arizona University of Chicago—The Graduate School of Medicine	Nogales, Ariz.
Moffatt, Donald Wadleigh	A.B., University of Southern California	Vancouver, B. C.
Nelson, Clyde Vincent, Jr.	A.B., University of Southern California	Los Angeles
Newman, Milton	A.B., University of Southern California	New York City
Olson, Sidney Julien	A.B., Stanford University	Turlock
Ostrom, L. Bradford	University of Washington A.B., University of Southern California	Bremerton, Wash.

†Withdrew during second semester.

Name	School Last Attended and Degrees	Home Address
Palmer, Jay James	A.B., University of Southern California	Bell
Paul, Carl John	A.B., Stanford University	Redwood City
Reynolds, Frank Chester	A.B., Stanford University	Chico
Reynolds, Frederick Gregory	University of Southern California	Los Angeles
Rosenblum, Gordon	University of California at L. A.	Los Angeles
Runyon, Leslie A.	Stanford University A.B., University of Southern California	Sacramento
Schultz, Arthur Lenton	A.B., University of Southern California	Escondido
Seitter, Paul Franklin	A.B., University of Southern California	Hollywood
Swanson, Merle Harris	Occidental College A.B., University of Southern California	Pasadena
Thomas, Grace Fern	B.S., University of Nebraska M.A., Creighton University Creighton University School of Medicine	Los Angeles
Witherbee, Orville Orvus, Jr.	Stanford University	Los Angeles
Wong, Matthew Loo	University of California A.B., University of Southern California	San Francisco

Fifth Year

Adams, William Lanier, Jr.	University of California A.B., Univ. of So. Calif.	Santa Fe Coast Lines Hospital
Aldrich, Alla Margaret	A.B., University of California	Los Angeles County Hospital
Baus, Gaston J.	A.B., Univ. of So. Calif.	Los Angeles County Hospital
Bilafer, Robert A.	A.B., Stanford University	Mary's Help Hospital San Francisco
Carter, Richard Alfred	Whittier College	Los Angeles County Hospital
Chase, Edwin Morey	B.S., University of Oregon	Santa Fe Coast Lines Hospital
Chittenden, Rea Forry	A.B., Univ. of Calif. at L. A.	Los Angeles County Hospital
Douglass, George Hall	A.B., Univ. of So. Calif.	Los Angeles County Hospital
Farrage, James	University of Arizona	Los Angeles County Hospital
Goodcell, Ross Adams	A.B., Stanford University	Los Angeles County Hospital
Griset, Mary L.	A.B., Occidental College	Los Angeles County Hospital
Hamilton, Van Rensselaer	A.B., Stanford University	Los Angeles County Hospital
Hendricks, Max Dixon	University of California	Los Angeles County Hospital
Hoyt, Elizabeth B.	A.B., A.M., Univ. of Denver Univ. of Colo. School of Medicine	Los Angeles County Hospital
Kerber, Harry Edwin	A.B., Univ. of So. Calif.	Los Angeles County Hospital

Name	School Last Attended and Degrees	
Levin, Edward	A.B., Univ. of So. Calif.	Los Angeles County Hospital
Lomas, Jack B.	Ph.G., Univ. of So. Calif.	Los Angeles County Hospital
Mariette, Edgar Lionel	B.S., University of Oregon	Los Angeles County Hospital
Martin, Helen Eastman	A.B., Pomona College	Los Angeles County Hospital
Mershon, Harry Franklin	University of Colorado A.B., Univ. of So. Calif.	Los Angeles County Hospital
Mount, Bess Lucille	A.B., Grinnell College University of Southern California	Los Angeles County Hospital
Olsen, Alonzo Young	Stanford University A.B., Univ. of So. Calif.	Los Angeles County Hospital
Radcliffe, Wm. Drummond, Jr.	A.B., University of Arizona	Los Angeles County Hospital
Rhind, Ralph	A.B., Stanford University	Los Angeles County Hospital
Saverien, Henry Ludwig	A.B., Univ. of So. Calif.	Sacramento Hospital Sacramento
Scherb, Robert Emmett	University of California at L. A. A.B., Univ. of So. Calif.	San Diego County General Hospital
Sherman, Edward Charles	Ohio State University A.B., Univ. of So. Calif.	Los Angeles County Hospital
Simon, Julius	A.B., Univ. of So. Calif.	Los Angeles County Hospital
Tokuyama, Shunichi Samuel	University of California at L. A. A.B., Univ. of So. Calif.	Santa Fe-Coast Lines Hospital
Wieman, Walter Herman	B.S., Oregon State College	Los Angeles County Hospital

Degree of Doctor of Medicine Conferred June, 1933

Blackman, William Harold	A.B., Univ. of So. Calif., 1926	Los Angeles County Hospital
Clock, Charles Joseph	A.B., Univ. of Redlands, 1929	Medical Arts Building, Redlands
Donham, Robert Cecil	A.B., Univ. of So. Calif., 1928	Los Angeles County Hospital
Emerson, Charles V.	A.B., Morningside College, 1926	French Hospital Los Angeles
Green, Carl Victor	A.B., Univ. of So. Calif., 1927	United States Navy
Hewitt, George W.	A.B., Univ. of So. Calif., 1917 A.M., Univ. of So. Calif., 1922	Los Angeles County Hospital
Lindsey, James O.	University of Arizona	136 North Central Glendale

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THE UNIVERSITY OF SOUTHERN CALIFORNIA BULLETIN

Vol. XXXII MAY 15, 1937 No. 9

School of Medicine

1937-1938

THE UNIVERSITY OF SOUTHERN CALIFORNIA PRESS

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1937

JANUARY

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

FEBRUARY

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

MARCH

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

APRIL

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SEPTEMBER

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NOVEMBER

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DECEMBER

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CALENDAR OF THE SCHOOL OF MEDICINE*

1937

Sept. 15—Wednesday	9 A.M.	Registration begins.
Sept. 20—Monday	8 A.M.	First semester begins.
Oct. 4—Monday		Founders' Day.
Nov. 11—Thursday		Armistice Day—Holiday.
Nov. 24—Wednesday	9 P.M.	Thanksgiving recess begins.
Nov. 29—Monday	8 A.M.	Thanksgiving recess ends.
Dec. 11—Saturday	1 P.M.	Christmas recess begins.

1938

Jan. 3—Monday	8 A.M.	Christmas recess ends.
Feb. 5—Saturday	12 M.	First semester ends.
Feb. 7—Monday	9 A.M.	Registration begins.
Feb. 8—Tuesday	8 A.M.	Second semester begins.
Feb. 22—Tuesday		Washington's Birthday—Holiday.
April 9—Saturday	1 P.M.	Spring recess begins.
April 18—Monday	8 A.M.	Spring recess ends.
May 29—Sunday	3 P.M.	Baccalaureate.
May 30—Monday		Memorial Day—Holiday.
June 2—Thursday	8 A.M.	Final examinations begin for nongraduating students.
June 4—Saturday	3 P.M.	Commencement.
June 8—Wednesday	6 P.M.	Final examinations end for nongraduating students.
Sept. 13—Tuesday		Registration begins.
Sept. 19—Monday		Instruction begins.

*For information as to dates on which certain University requirements should be met by students in the Graduate School, see the bulletin of that school.

ORGANIZATION OF THE UNIVERSITY

The University Comprises the Following Schools and Colleges

COLLEGE OF LETTERS, ARTS, AND SCIENCES
- SCHOOL OF PHILOSOPHY
- SCHOOL OF SPEECH
- SCHOOL OF JOURNALISM
- SCHOOL OF MUSIC

SCHOOL OF RELIGION

SCHOOL OF LAW

COLLEGE OF DENTISTRY (Affiliated)

COLLEGE OF PHARMACY

THE GRADUATE SCHOOL
- SCHOOL OF RESEARCH

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION
- SCHOOL OF MERCHANDISING

SCHOOL OF EDUCATION

SCHOOL OF SOCIAL WORK

THE LOS ANGELES UNIVERSITY OF INTERNATIONAL RELATIONS (Affiliated)

UNIVERSITY COLLEGE

COLLEGE OF ARCHITECTURE AND FINE ARTS

COLLEGE OF ENGINEERING

SCHOOL OF MEDICINE

SCHOOL OF GOVERNMENT

UNIVERSITY JUNIOR COLLEGE

SCHOOL OF LIBRARY SERVICE

THE SUMMER SESSION

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Term Expires in 1938

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Room 152, Bovard Administration Building.

HUGH CAREY WILLETT, Director of Admissions
Room 259, Bovard Administration Building.

THERON CLARK, Registrar
Room 157, Bovard Administration Building.

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ALUMNI ASSOCIATION, Rooms 401-405, Student Union Building.

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THE SCHOOL OF MEDICINE OF THE UNIVERSITY OF SOUTHERN CALIFORNIA

General Statement

The School of Medicine of The University of Southern California was organized May 2, 1885, and in the spring of 1888 the first class was graduated. In 1908 this school transferred its affiliation to the University of California; and August 11, 1909, the College of Physicians and Surgeons, an organization established in Los Angeles in 1904, became affiliated with The University of Southern California. In 1920, due to inability to secure adequate financial support, this school was discontinued.

In May, 1928, the present School of Medicine was established by the Board of Trustees as an integral part of the University. It was ordered that the School of Medicine be administered by the Board of Trustees, the President of the University, and the all-University committees on Admissions, Curriculum, and Scholarship in the same manner as are the other schools and colleges of the University. The responsibility for appointments to the teaching staff and for the administration of regulations governing the classification of students was vested in an executive committee appointed by the Board of Trustees of the University.

On September 17, 1928, the School of Medicine admitted for instruction a freshman class of fifty-four students. Each subsequent year, with the exception of 1930-31, an additional year's work was offered, until in 1932-33 the complete five-year curriculum was available and the first class graduated. As in the past the School will continue to limit the enrollment in the freshman class to fifty-four students.

Departments of Instruction

The faculty of the School of Medicine is organized into several departments, as follows, each with an administrative chief: Anatomy (including Histology), Bacteriology, Biochemistry, Medicine (and the medical specialties), Obstetrics and Gynecology, Pathology, Pharmacology, Physiology, and Surgery (including surgical specialties).

Clinical Facilities

Los Angeles, by reason of its situation and size, is an admirable location for a school of medicine. In the Los Angeles County Hospital opportunities for clinical observation and instruction are abundant. The wealth and variety of clinical material available in this institution make it preeminently advantageous for student, interne, and resident. The completion of a new building has greatly enlarged the capacity of this hospital, which now contains about 3,410

beds. In addition to the services usually available in a general hospital, it contains a psychiatric unit and one devoted to contagious diseases. About 49,837 bed patients are cared for annually by this institution, whose out-patient department receives approximately 588,500 visits each year. The Children's Hospital also affords excellent facilities for the study of pediatrics and orthopedics. This is an institution of 180 beds with an out-patient service receiving about 81,346 visits annually.

Library Facilities

The Library of the School of Medicine, although begun only a few years ago, now consists of a good working collection of reference books and journals. At present it is housed in the basement of Bridge Hall, across the street from the Science Building on the University campus. Arrangements are made in order that students may use the facilities of the Library of the Los Angeles County Medical Association.

Admission

Admission Requirements. Admission to the first-year class of the School of Medicine requires the completion of a four-year high school course acceptable for admission to freshman standing in the College of Letters, Arts, and Sciences, and three full years of college work, totaling not fewer than 90 semester units, in a college or university approved by an accrediting agency acceptable to the Association of American Medical Colleges.

All candidates for admission to the School of Medicine are strongly urged to take the Scholastic Aptitude Test for Medical Students prepared by the special Committee of the Association of American Medical Colleges. Information regarding this test may be obtained from the Deans of Colleges of Liberal Arts or from the Secretary of the Committee, F. A. Moss, M.D., George Washington University, Washington, D. C.

The collegiate work presented for admission must include the minimum requirements of the Association of American Medical Colleges in general chemistry, organic chemistry, physics, biology, and English. In addition, courses in quantitative analysis, embryology, comparative anatomy, and French or German, are required.

Requirements for Admission

The above minimum and additional requirements will be met if the 90 semester units of premedical work presented for admission include the equivalent of the following courses in the premedical curriculum at The University of Southern California. For descriptions of these courses, see the bulletin of the College of Letters, Arts, and Sciences.

		Semester units
Chemistry 2abL.	Inorganic Chemistry and Qualitative Analysis (lectures and laboratory)	8
Chemistry 15L.	Analytical Chemistry: Introductory Quantitative Analysis, including Volumetric Analysis (lectures and laboratory)	4[1]
Chemistry 122abL.	Organic Chemistry (lectures and laboratory)	8[2]
Zoology 1abL.	General Zoology (lectures and laboratory)	8
Zoology 100L.	Comparative Anatomy of Vertebrates (lectures and laboratory)	4[1]
Zoology 105L.	Embryology (lectures and laboratory)	4[1]
Physics 50abL.	General Physics (lectures and laboratory)	8
English 1ab.	Introductory Course, including Composition	6
French 1ab and 2ab, or German 1, 2, and 5ab		16[3]

The three-year premedical course offers fully the subject and unit requirements for admission to the School of Medicine. By an appropriate choice of electives in the premedical course it is possible for a student to secure an undergraduate major in either chemistry or biology, the chemistry and biology of the first year of medicine being taken into consideration. The completion of an undergraduate major in the three-year premedical course and the first year of medicine is required of those who seek both the A.B. and M.D. degrees. Students[4] who seek the A.B. degree should meet the lower division and general requirements of the University.

Recommended Three-Year Premedical Course

(Courses described in the bulletin of the College of Letters, Arts, and Sciences)

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[1]A minimum of 3 instead of 4 semester units may be presented, provided such units represent a completed course in the subject described.

[2]A minimum of 6 instead of 8 semester units may be presented, provided such units represent a completed course in the subject described.

[3]A minimum of 12 instead of 16 semester units may be presented, provided such units represent the completion of two years' work in French or German. High school credit in French or German may be used to reduce this requirement.

[4]See pages 37, 38, and 39 in the bulletin of the College of Letters, Arts, and Sciences.

First Year	Units 1st Sem.	2nd Sem.
English 1ab, Introductory Course	3	3
[5]German 5ab or French 2ab	3	3
Chemistry 2abL, Inorg. Chem. and Qual. Anal.	4	4
Mathematics 10ab, General Mathematics	3	3
Psychology 2, Principles of Learning I	1	0
[6]Physical Education Activities	1	1
Speech 30a, Public Speaking I	0	2
	15	16
Second Year		
Chemistry 15L, Anal. Chem.-Intro. Quant.	4	0
English 20ab, Introduction to English Literature	3	3
Phil. 1ab or Sociol. 1ab, Man and Civilization	3	3
[6]Physical Education Activities	1	1
[7]Physical Education 49, Health Education	0	2
Speech 30b, Public Speaking I	0	2
Zoology 1abL, General Zoology	4	4
Elective	0	1
	15	16
Third Year		
Chemistry 122abL, Organic Chemistry	4	4
History 77, United States Constitutional History and Ideals	2	0
[8]Physics 50abL, General Physics	4	4
Psychology 51, General Psychology	0	3
Zoology 100L, Comparative Anatomy of Vertebrates	4	0
Zoology 105L, Embryology	0	4
Fine Arts or Music	2	0
Electives	0	1
	16	16

Total units—94.

Application for Admission. Applications for admission to the School of Medicine should be addressed to the Dean of the School of Medicine, The University of Southern California, Los Angeles. These should be received, if possible, prior to March 1. Credentials supporting the application and all other information called for must be available promptly.

[5]Students not offering two years of German or French for admission will take German 1 and 2 or French 1ab, and continue the language in the second year.

[6]To be selected from courses 2ab to 48ab inclusive.

[7]Physical Education 49 and electives are available either semester.

[8]Students not offering physics for admission will take Physics 1abL.

Selection of Applicants. A limited number of applicants meeting the requirements for admission to the School of Medicine will be appointed each year to membership in the first-year class, the appointments being based on considerations of scholarship and promise of future value in the medical profession. No applicant will be appointed whose average scholarship in premedical collegiate work is below C. A personal interview is required of all applicants. Applicants will be accepted as soon as possible after requisite information has been received and following the personal interview. Early applications are recommended.

Notice of Appointment. Notice of appointment to the first-year class will be sent to successful applicants. Written acceptance of the appointment, accompanied by an acceptance fee of twenty-five dollars, must be received by the Office of Admissions within ten days after notification of appointment. The fees accompanying acceptances are not refundable, but may be applied as part payment of the tuition fees.

Admission with Advanced Standing. A student from another medical school may be admitted to advanced standing, provided (1) that there is a vacancy in the class; (2) that the applicant's premedical training fully meets the requirements for admission to this school; and (3) that the medical faculty is willing to accept the work done elsewhere as a satisfactory substitute, both in content and quality, for that portion of the curriculum from which he may be excused. Any student applying for admission with advanced standing may be required to qualify by passing a comprehensive examination or examinations in individual subjects. No student may be registered in the fourth year of the medical course who has not successfully completed the third year of the medical course in this school.

Applicants for admission with advanced standing are required to file their applications with the Director of Admissions, who together with the Dean of the Medical School will determine whether the requirements have been met.

Scholarship

A student failing in any one subject may be permitted to repeat the work in whole or in part or take another examination, or both, provided his general average, including the subject in which he failed, is C or above for the entire year.

A student who has failed to maintain an average of C in the required work of any year, but who has passed in all subjects, shall be given an opportunity to demonstrate his fitness for further study of medicine before a committee of the faculty to be appointed by the Dean. In accordance with the recommendation of this commitee, the student shall be permitted or denied further registration. In order to avail himself of this opportunity, a student shall make written request therefor, within three days of the time when he is noti-

fied of his standing, and the examination shall be held within one week of the filing of his request.

Written or oral quizzes, recitations or examinations are given from time to time in several courses of lectures or clinics but are given in the time regularly assigned to such work and do not interfere with other work in progress.

In the third and fourth years the rating of students in medicine and surgery is determined not only by the final examination, which may include questions concerning subordinate subjects, but any marks given during the progress of any of the major or subordinate subjects or elective courses are taken into consideration in determining the final mark.

In the third and fourth years, the subjects to which the two regulations governing the promotion of students, as stated in the first two paragraphs of this section, will apply are four for the third year and three for the fourth year, namely, the principal subjects indicated as comprising the final examinations.

Subjects of Study

In the first year four subjects are included, a final examination and a mark being given in each subject:

Gross Anatomy
Biochemistry
Histology
Anatomy of the Nervous System

In the second year, final examinations and marks are given in nine subjects:

Bacteriology and Immunology
Clinical Laboratory Methods
Obstetrics
Parasitology
General Pathology
Special Pathology
Pharmacology
Physical Diagnosis
Physiology

In the third and fourth years final examinations are given at the end of each year as follows:

Third Year (4 examinations)

(1) Pathology

(2) Medicine—to include the following:
Dermatology
Neurology
Pediatrics
Public Health
Radiology

(3) Surgery—to include the following:
Anesthesia
Ophthalmology
Orthopedics
Otology, Rhinology, and Laryngology
Urology

(4) Obstetrics and Gynecology

Fourth Year (3 examinations)

(1) Medicine—to include the following:

Dermatology
Neurology
Pediatrics
History of Medicine
Medical Jurisprudence and Economics
Therapeutics

(2) Surgery—to include the following:

Ophthalmology
Orthopedics
Otology, Rhinology, and Laryngology.
Urology
Neurosurgery
Oral Surgery

(3) Obstetrics and Gynecology

The Fifth Interne Year

Following the completion of the fourth year, students are required to secure an interneship in a hospital approved for interneship by the Executive Committee. They are required to register for this fifth year, no fee being charged for such registration, and to make such reports from time to time during the progress of the interneship as may be required by the Executive Committee or its representatives. Conferences or examinations may be required of fifth-year students during or at the end of the interne year before recommendation for the degree of Doctor of Medicine. In special cases a year of laboratory work may be substituted for the interne year.

Degrees

The Degree of Doctor of Medicine. The five-year course in the School of Medicine leads to the degree of Doctor of Medicine (M.D.). The fifth year must be spent in practical medical work under competent supervision. The degree is not conferred until after the satisfactory completion of this requirement.

The Degree of Bachelor of Arts. A student may receive the degree of A.B. at the end of the first year in the School of Medicine, if he has met the admission requirements for that degree; has completed, in the College of Letters, Arts, and Sciences, 94 units with ninety-four grade points computed on those units, of which at least 28 units have been completed at The University of Southern California, and has included the lower division and †general requirements and

†The general requirements, with the exception of the two units of United States Constitution or its equivalent, will not be required of transferring premedical students who enter the University at the beginning of their fourth year.

the requirements for admission to the School of Medicine; and has completed the prescribed work (31 units) of the first year for the degree of M.D. For the undergraduate degree, the student must present a specified number of required and elective units and an equal number of grade points computed on these units.

If the student has met all subject requirements, but enters the School of Medicine with a minimum of 90 units, with an equal number of grade points computed on these units, he may substitute units in the fundamental sciences of the second year of medicine for the units he is lacking in the College of Letters, Arts, and Sciences.

The Degrees of Master of Arts and Doctor of Philosophy. Most of the courses included in the curriculum of the first two years of the medical course are accepted by the Council on Graduate Study and Research for graduate credit. Properly qualified individuals may pursue special work in the preclinical departments leading to advanced masterate and doctorate degrees.

Fees and Expenses

†Tuition for college year (including acceptance fee)..$400.00
This fee may be paid at time of registration at the beginning of the first semester or in two installments of $200; one at the beginning of the first semester, the second at the beginning of the second semester.

Registration fee, per semester (required of all students and not refundable)..... 10.00

Library fee, per semester..... 5.00

‡Deposits:

First year—

Histology 10.00

Biochemistry 10.00

Second year—

Bacteriology and Pathology..... 10.00

Physiology and Pharmacology..... 10.00

Late registration 3.00
This fee is charged if tuition and fees are not paid before the first day of instruction. Registration must be completed on the days appointed for the registration of each class. No student will be permitted to register later than the last day of the first week of instruction.

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†Students discontinuing their work at any time during the first semester will be charged a tuition fee of $200. If they have paid the tuition fee of $400 for the whole year they may receive a refund of $200. No refunds of tuition fees are available for students discontinuing their work during any part of the second semester.

‡At the end of the year, after the cost of equipment broken is deducted, the balance is refunded.

Diploma fee $10.00

Special examinations. A fee of three dollars is charged for each of the following special examinations:

1. Examinations for credit on work for which special credentials cannot be supplied.
2. Examinations to make up grades of Ie.
3. Examinations given outside regular examination schedule.

County Hospital fee.....$2.50 to $5.00
Clinical Obstetrics fee.....$10.00

The University reserves the right to change without notice any of the rates printed in this bulletin.

Each student is required at the beginning of the course to provide himself with a satisfactory microscope. It is recommended that the purchase of the microscope be deferred until after consultation with a member of the faculty.

Board and room are provided in the Residence Halls at the lowest reasonable cost. A limited number of men in the professional schools can be accommodated in Aeneas Hall. Rooms are engaged by the semester and cannot be vacated within that time. The cost per semester, of room and board six days a week in Aeneas Hall is from $180 to $195 for a single room and from $155 to $170 for a double room. Fees are payable by the semester, and a deposit of $10 (not refundable) must accompany application for rooms. This deposit is deducted from the amount payable at registration. Students residing in the dormitory must make a breakage deposit of $10.00. After the cost of damages is deducted, the balance is refunded at the end of the year.

All inquiries concerning fees and accommodations at Aeneas Hall and the requests for reservations should be addressed to the Manager of Aeneas Hall, 837 West Thirty-sixth Place.

Room and board may be obtained in private homes at a cost ranging from $35 to $50 per month.

COURSES OF INSTRUCTION IN MEDICINE

Place, Unit Value, and Semester Designations

The symbols for place designations here used should be interpreted as follows: U.P. *indicates that the course is offered on the University Park Campus;* Co. H., *at the Los Angeles County Hospital.*

The unit value for each course is indicated for each semester by a numeral in parentheses following the hour designation.

The symbol I *indicates first semester of the academic year;* II, *second semester;* I, II, *both first and second semesters; and* I-II, *throughout the year.*

*Course numbers preceded by the symbol * are available for graduate credit.*

Department of Anatomy

Honorary Professor: Barnhill
Professor: McKibben (Head of Department)
Associate Professor: MacCallum
Instructors: Bartosh, Fulton, MacColl, Mellinger, Snow
Assistant: Patek

FIRST YEAR

***300ab. Gross Human Anatomy.** A complete dissection of the human body. Occasional lectures and recitations. At the beginning of the course several lectures are given introductory to the work in the dissecting room.

The bones and gross sections of the body are studied in connection with the dissection of each region.

When the dissection of the abdomen begins, the development of the human body with special reference to the circulatory, respiratory, gastrointestinal and genitourinary systems is considered.

The dissection is divided into the following parts:

(1) Dissection of the upper extremity.
(2) Dissection of the lower extremity.
(3) Dissection of the abdomen.
(4) Dissection of the thorax.
(5) Dissection of the head, neck, and back.

Examinations are given immediately on the completion of each part, and a general examination covering the gross anatomy of the whole body concludes the course.

U. P. (500 hrs.) (7-7) I-II. McKibben and Staff

***310. Human Histology** A study of certain elements of cytology, histology, and organology. It covers in a general way all tissues and organs of the body, but special emphasis is placed on the study of the circulatory, respiratory, alimentary, genitourinary, and endocrine systems. The development of certain organs is considered, and frequent use is

made of fresh tissues. Lectures, demonstrations, and recitations are given as required.
U. P. (168 hrs.) (5) I. MacCallum and Staff

*320. **Anatomy of the Nervous System.** A course given in conjunction with the dissection of the head and neck. A detailed study of the spinal cord is first undertaken. This is followed by the dissection of the brain of the sheep and the dissection of the human brain. A study of microscopic sections of the brain stem and the cerebral cortex follows the dissection of the human brain; and the connections of the more important conduction pathways within the central nervous system are dealt with, as well as the structure and connections of the organs of special sense. Functional relationships are stressed rather than morphological detail. Lectures and demonstrations are given as required.
U. P. (112 hrs.) (4) II. McKibben, MacCallum, and Staff

GRADUATE COURSE

280ab. **Research in Anatomy.** Materials and equipment are available for investigation by those properly qualified.
U. P. (2-6—2-6) I-II. McKibben, MacCallum

Department of Biochemistry

Professor: Deuel (Head of Department)
Assistant Professor: Butts

FIRST YEAR

*340ab. **Biochemistry.** A consideration of the physical chemical basis of life processes and the chemical composition of the tissues and secretions, with special attention to the metabolism of the human body.
U. P. (88 hrs.) (3) I—(168 hrs.) (6) II. Deuel and Staff

GRADUATE COURSES

200. **Biochemistry.** (Advanced.) Individual and group instruction for students who have had an elementary course equivalent to 340ab. A knowledge of physiology and organic chemistry is also requisite. A laboratory course including the separation, purification, and identification of various products of biochemical interest.
U. P. (4). Deuel and Staff

240ab. **Seminar in Biochemistry.** Students are required to prepare abstracts of papers appearing in English, German, and French biochemical literature; these are discussed in connection with recent advances in biochemistry and physiology. Open to students having a comprehensive knowledge of biochemistry.
U. P. (2-2) I-II. Deuel and Staff

282ab. Research in Biochemistry. Open to graduate students properly qualified in biochemistry and physiology. Hours to be arranged.

U. P. (2-6—2-6) I-II. Deuel and Staff

Department of Physiology

Professor: Drury (Head of Department)
Instructors: Greeley, Palmer

SECOND YEAR

***400. Physiology.** Lecture, library, and laboratory work in the mechanics of living matter, with special reference to man. The activities of tissues as systems for integrated action in the interests of the body as a whole will be presented in detail.

U. P. (256 hrs.) (7) I. Drury and Staff

GRADUATE COURSES

250ab. Seminar in Physiology and Pharmacology. Offered jointly by the staffs in Physiology and Pharmacology. Students are required to prepare abstracts of papers appearing in English, German, and French physiological and pharmacological literature. Open to properly qualified students.

U. P. (2-2) I-II. Drury, Thienes

274. Quantitative Physiology. The standard quantitative procedures used in functional pathology, including methods for studying general and special metabolism and the circulatory, respiratory, and renal systems. Open to advanced students in physiology.

U. P. (2-4) I, II. Drury and Staff

284ab. Research in Physiology. Properly qualified students will be permitted to engage in investigation. Hours and credits to be arranged.

U. P. (2-6—2-6) I-II. Drury and Staff

Department of Pharmacology

Professor: Thienes (Head of Department)
Instructor: Samuels

SECOND YEAR

***410. Pharmacology and Toxicology.** Experiments and discussions dealing with the actions, chemical nature, sources, official preparations, and dosage of such drugs and poisons as are of importance in the practice of medicine.

U. P. (200 hrs.) (5) II. Thienes and Staff

GRADUATE COURSES

230. Seminar in Applied Pharmacology. Students will prepare reports on recent experimental and clinical develop-

ments in chemical therapeutics. For properly qualified students.
U. P. (2) I, II. Thienes and Staff

250ab. Seminar in Physiology and Pharmacology. Offered jointly by the staffs in Physiology and Pharmacology. Students are required to prepare abstracts of papers appearing in English, German, and French physiological and pharmacological literature. Open to properly qualified students.
U. P. (2-2) I-II. Thienes, Drury

276. Advanced Toxicology. Discussion of etiology, symptoms, pathology, diagnosis, and treatment of poisoning; laboratory exercises on the isolation and identification of important toxic substances from tissues and body fluids. For properly qualified students.
U. P. (2) I, II. Thienes and Staff

286ab. Research in Pharmacology. Properly qualified students will be permitted to engage in investigation. Hours and credits to be arranged.
U. P. (2-6—2-6) I-II. Thienes and Staff

Department of Pathology

Professor: Hall (Head of Department)
Associate Professors: Butt, Foord
Instructors: Edmondson, Hunnicutt
Assistant: Humphreys

SECOND YEAR

***450. General Pathology.** Lectures and laboratory work in general pathology, including an introduction to the infectious granulomata and tumors.
U. P. (144 hrs.) (6) I. Hall, Butt

Special Pathology

Lectures and demonstrations of fresh and preserved gross material and microscopic specimens illustrating selected chapters of human pathology.

***451. Pathology of the Infectious Diseases.** One lecture and one demonstration period each week.

Pathology of Tumors. Following the introduction to this subject in the first semester a more detailed study is undertaken. Tumors common to the various systems and organs are considered. Sets of microscopic slides illustrative of the various tumors discussed are loaned the students.
U. P. (52 hrs.) (3) II. Hall, Butt

THIRD YEAR

550. Pathology of the Granulomata and Chronic Diseases. The granulomata are considered during the first half of the

semester; the chronic diseases during the second half. Two lectures and one two-hour conference and diagnostic exercise in gross pathology each week.

Co. H (64 hrs.) I. Hall, Butt, and Staff

Students of the third year are required to attend the autopsies on patients to which they have been assigned as clinical clerks on the medical wards.

FOURTH YEAR

Clinical Pathological Conference. Once a week throughout the year.

Co. H (32 hrs.) Hall and Staff

GRADUATE COURSES

270ab. Seminar in Pathology. Current literature in the field of pathology embracing the important journals in English, German, and French are abstracted and discussed. Important advances in the field are considered. Primarily for the staff, but open to a limited number of advanced students.

U. P. (2-2) I-II. Hall and Staff

290ab. Research in Pathology. Open to properly qualified students who have completed courses 450 and 452.

U. P. (2-6—2-6) I-II. Hall and Staff

Department of Bacteriology

Professor: Kessel (Head of Department)
Associate Professor: Hoyt
Instructors: Arthur, Fisk
Assistants: Cavell, Stimpert, Tracy

SECOND YEAR

***440. Bacteriology.** The bacteria, rickettsiae, spirochetes, and filterable viruses which serve as etiologic agents in human disease are studied with reference to their morphologic and physiologic characteristics, their epidemiologic relationship and their pathogenicity in man and animals. Courses 440 and 441 are given in combination.

U. P. (112 hrs.) (4) I. Kessel, Hoyt, and Staff

***441. Serology and Immunology.** A basic course emphasizing the principles underlying infection and resistance. The student is required to familiarize himself with the practical laboratory procedures based on these phenomena.

U. P. (56 hrs.) (2) I. Hoyt, Kessel, and Staff

***442. Medical Parasitology and Mycology.** The protozoa, helminths, and insects important as the causes and vectors of disease are studied, special emphasis being placed on the laboratory diagnosis and clinical manifestations of the parasitic diseases most commonly encountered in this region.

One portion of the course is devoted to the special consideration of the pathogenic fungi, many of which are endemic in California.

U. P. (112 hrs.) (3) II. Kessel and Staff

GRADUATE COURSES

260ab. Seminar in Microbiology. Reports and discussions on recent advances in bacteriology, mycology, parasitology, or serology. Open to qualified students and physicians.

U. P. (2-2) I-II. Kessel and Staff

272. Filterable Viruses. Lectures, conferences, and laboratory work on the viruses responsible for diseases of plants, animals, and man. Open to properly qualified students.

U. P. (2) II. Hoyt, Fisk

288ab. Research in Bacteriology and Parasitology.

U. P. (2-6—2-6) I-II. Kessel and Staff

Department of Medicine

Honorary Professor: Dock
Professor: Raulston (Head of Department)
Clinical Professors: Bower, King, Mason, Pottenger, Smith, Stone, West
Associate Clinical Professors: Anderson, Berman, Cunningham, Keeney, Kristensen, Lacey, Leake, Nathanson, Ruddock, Shelton, Thomas, Ware, Webster
Assistant Professors: Houck, Noble, Roberts
Assistant Clinical Professors: Beckett, Bennett, Bittner, Coffin, Hamilton, Hare, Hoffman, Kahn, Martin, Nevius, Otto, Sampson, Shambaugh, Van Scoyoc
Instructors: Askey, Bosworth, Brown, Bullock, Burns, Cates, Crane, Cummings, Cunnane, Davison, Dennis, Dougherty, Duvall, Francis, Goodman, Grishaw, Hawkins, Kay, Kellogg, Lutz, Marxer, McClelland, Meals, Miller, Murray, C. H. Nelson, E. S. Nelson, Pottenger, Procter, Rapaport, Renshaw, Reynolds, Rosove, Smart, Vener, Whalen
Assistants: Fitzgibbon, McCune, Martin, Tragerman

Dermatology

Clinical Professor: Frost
Associate Clinical Professors: Campbell, Chambers, Wilhelm
Instructors: Anderson, Halloran, Scholtz
Assistant: Robinson

Experimental Medicine

Associate Professor: Bonynge
Instructor: Townsend

Neurology

Clinical Professor: Ingham
Associate Clinical Professors: Carter, Nielsen
Assistant Clinical Professor: Ziskin
Instructor: Von Hagen

Pediatrics

Clinical Professors: Dietrich, Stork
Lecturer: Karshner
Associate Clinical Professors: Berkley, Fish, Happ, Reiss, Rothman
Assistant Clinical Professor: Laton
Instructors: Cooder, Dietrich, Earle, Harrison, Nixon, Pettet, Shelby
Fellow: Boder

Public Health and Preventive Medicine

Professor: Lamson
Lecturers: Geiger, Kellogg, Meyer, Reynolds
Instructor: Bacon

Radiology

Associate Clinical Professors: Carter, Davis
Assistant Clinical Professors: Costolow, Johnson
Instructors: Bailey, Judson

SECOND YEAR

480. Physical Diagnosis. Demonstrations and practice in the methods of physical diagnosis. An attempt is made to have the student recognize average normal and, as far as possible, contrast these with abnormal conditions. During the last four weeks of the course students are assigned to wards in the hospital for practice in history writing and physical examination of patients. Complete records are submitted by each student to his instructor for correction and discussion.

Co. H. (96 hrs.) (2) II. Anderson and Staff

482. Clinical Laboratory Methods. Practice in the use of methods necessary for routine clinical work. The student makes examinations of urine, gastric contents, feces, sputum, blood, and cerebro-spinal fluid.

U. P. (96 hrs.) (3) II. Foord and Assistants

THIRD YEAR

580ab. Third Year Medicine.

Co. H (803 hrs.).

Ward Work in General Medicine. (Medical Clerkship). Work begins immediately after the end of the second year. Each student spends half of the summer between the second and third years, approximately eight weeks, in the wards of the medical service in the Los Angeles County Hospital. All new patients entering these wards are assigned to the clinical clerks for a complete work-up, history, physical examination, and routine laboratory work. The clerk's record constitutes a part of the permanent hospital chart of the patient. There are no formal or set exercises during this period.

(280 hrs.).

During the first semester of the third year the entire class is assigned to the medical wards of the Los Angeles County Hospital for clinical clerkship. The work is a continuation of that done during the preceding summer, with the addition of four bedside conferences for each group of six to eight students each week. These exercises are under the direction of the senior attending physician on the ward, but the record of the

patient under consideration is always presented by the student responsible for that patient.

(204 hrs.) I.

In the second semester the class is divided into two groups, each of which spends half of the semester in the medical wards. Groups of six students are assigned weekly to special problems in clinical medicine. They study groups of patients with diseases that involve predominantly certain systems of the body, and are required to report upon the patients studied and the literature dealing with the subject in question.

(80 hrs.) II.

Askey, Hare, Hoffman, Kahn, Keeney, Leake, Martin, Noble, Raulston, Ruddock, Shambaugh, Thomas, Ware, Webster, West

***Clinic in General Medicine.**

(32 hrs.) I-II. Mason

Pediatrics. Lectures dealing with growth and development, infant feeding, disease of the newborn, and contagion.

(32 hrs.) I-II. Dietrich, Happ, Reiss, Rothman

The class is divided into groups of about eight students for ward demonstrations of the management of the newborn and contagious diseases.

(4 hrs.) II. Rothman, Reiss

Dermatology. Lectures and demonstrations.

(16 hrs.) II. Campbell

Psychiatry. Lectures and presentation of patients in clinic.

(16 hrs.) II. Ingham

Clinical-Radiological Conference. Diagnosis and radiotherapy.

(16 hrs.) I-II. Carter, Costolow

Radiology. Lectures with demonstration of films and lantern slides.

(11 hrs.) I. Davis

Neurology. Lectures, review of anatomy and physiology as related to the central nervous system, followed by introduction to pathological variations.

(16 hrs.) I. Ingham, Nielsen

Clerkship in Neurology. Wards for disease of the central nervous system. 8:30 to 11:15 daily for four weeks (included in Medical Clerkship).

Ingham, Nielsen, and Staff

*Attended by students of the third and fourth year classes.

Therapeutics.
(32 hrs.) I. Roberts

Tuberculosis. Set clinic on pulmonary tuberculosis.
(16 hrs.) II. Bennett, Cunnigham, Pottenger

In the second semester, two weeks of the clinical clerkship are spent on wards for tuberculosis patients.
Bittner, Bosworth, Miller, Proctor, Smart

Conferences on Special Topics in Internal Medicine.
(48 hrs.) I-II.
Berman, Leake, Noble, Raulston, Ware, Webster, West

Public Health and Preventive Medicine

Lectures on preventive medicine and public health.
(32 hrs.) I-II.

Survey of some practical problem connected with preventive medicine or public health. To be completed during either third or fourth years.
(About 96 hrs.). Lamson

FOURTH YEAR

680ab. Fourth Year Medicine.
Co. H. (679 hrs.).

Out-patient Service, General Medicine. During the summer vacation students who have completed the third year begin work in the out-patient department. The class is divided into sections, each section being on duty for a portion of the summer.
(80 hrs.).

One third of the class during each clinical period. The group is subdivided for forenoon work in out-patient departments for tuberculosis, heart disease, neurology, allergy, and syphilis: Four mornings, 9:30 to 11:15. The entire group spends five afternoons per week, 1:00 to 5:00, in the out-patient department in general medicine.
(240 hrs.—one clinical period).
Cates, Houck, Raulston, Roberts, Sampson

***Clinic in General Medicine.**
(32 hrs.) I-II. Mason

Clinical Pediatrics. The entire class will spend Wednesday morning at the Children's Hospital. Two hours will be devoted to a clinic in pediatrics where students previously assigned will present patients.
(64 hrs.) I-II. Dietrich, Rothman, and Staff

*Attended by students of the third and fourth year classes.

Contagious Diseases. One third of the class will spend three hours a week in ward rounds and demonstrations during the clinical period.
(33 hrs.). Bower and Staff

Neurology. The section attending the medical out-patient service will spend two mornings a week in Neurology Clinic.
(48 hrs.). Ingham, Neilsen, and Staff

Dermatology. Out-patient service during one clinical period.
(36 hrs.). Frost, Chambers, and Staff

Syphilis. Groups of five to eight students in out-patient clinic for diagnosis and treatment of syphilis.
(60 hrs.).

Psychiatry. Clerkship on psychiatric wards.
(60 hrs.). Ingham, Carter

Medical Jurisprudence and Economics. Six lectures.
(6 hrs.).

Dietetics. Groups of eight sudents will spend four hours a week for five weeks on the subject of dietetics. Lectures and practical experience. Each student is required to weigh his diet and make an accurate detailed report covering a period of one week.
(20 hrs.).

Elective Courses

Diseases of the Gastrointestinal Tract. An intensive study for a small group. Second or third clinical period.

Neuropsychiatry. Ward and out-patient work.

Syphilis. By the staff in dermatology with special reference to treatment.

Pediatrics. Out-patient work.

Department of Surgery

Professor: Rowan (Head of Department)
Lecturer: Lobingier
Clinical Professors: Hunt, Kahn, Moore, Shoemaker, Sturgeon, Toland
Associate Clinical Professors: Bayley, Chaffin, Dodge, Murrieta, Schiffbauer, Sherry
Assistant Professor: Berne
Assistant Clinical Professors: Cunnane, Kiskadden, Larson, Norris, Olch, Sebastian, Upshaw
Instructors: Askey, Blaisdell, Chipman, Cooper, Flamson, Henry, Hillyard, Johnson, Kroger, O'Neill, Paine, Pallette, Reed, Schmoele, Totten, Vinetz

Anesthesia

Associate Clinical Professor: Guedel
Instructor: Heissig

Neurological Surgery

Clinical Professor: Rand
Assistant Clinical Professors: Adelstein, Patterson
Instructor: Raney

Ophthalmology

Associate Clinical Professors: Dow, Fisher, Irvine, LaMotte, Walker
Instructors: Cady, Endres, Kinney, Miller
Assistants: Irvine, Lordan, McCoy, Nesburn

Oral Surgery

Associate Clinical Professors: McCoy, Tholen
Instructor: Balyeat

Orthopedic Surgery

Clinical Professor: Wilson
Associate Clinical Professor: Dunlop
Assistant Clinical Professors: Stewart, Thurber
Instructors: Mathews, McKeever, McMaster, Meade, Plimpton, Shelton, Stephens, Thompson, Walker
Assistant: Prigge

Otology, Rhinology, Laryngology

Emeritus Professor: Hastings
Clinical Professor: Brown
Associate Clinical Professors: Detling, Jesberg, Lewis, Linthicum, Viole
Instructors: Bowman, Love, Semenov
Assistants: Bullis, Hall, Keiper, Miller, Walker

Urology

Associate Clinical Professors: Crane, Ferrier, Hager, Wright
Assistant Clinical Professors: Fieseler, Rusche
Instructors: Bennetts, Craig, Farman
Assistant: Silver

THIRD YEAR

500ab. Third Year Surgery.

Co. H. (261 hrs.).

Principles of Surgery. A conference course on the principles of surgery. Three hours each week during the first semester of the third year.

(48 hrs.) I. Berne

Clinic in General Surgery. Demonstration clinics are held for one hour each week during the third year. These are clinics in which special attention will be given to direct and differential diagnosis and indications for treatment.

(32 hrs.) I-II. Rowan and Staff

Dispensary Clinics. The class is divided into sections and for one half of the second semester work in minor surgery in the Out-patient Department for two hours three days each week.

(48 hrs.). Rowan and Staff

Emergency Surgery. Groups of three or four students attend the service of the Los Angeles Receiving Hospital for periods of one week during the second semester.

(15 hrs.). Dodge and Sebastian

Urology. Conference course for one hour each week during the second semester.

(16 hrs.). Wright

The class divided in sections spends two hours each week for one half of the second semester in clinical work in urology.
(16 hrs.). Ferrier, Hager, Crane, Craig

Bone and Joint Surgery. Clinical conference course two hours each week during the second semester.
(32 hrs.). Wilson and Staff

Ophthalmology. Conference course on the commoner diseases of the eye, one hour each week during the second semester.
(16 hrs.). Staff

Otology, Rhinology, and Laryngology. Conference course one hour each week during the second semester.
(16 hrs.). Brown and Staff

Anesthesia. Conference course each week for six weeks during the second semester.
(6 hrs.). Guedel

Proctology. Conference course one hour each week for six weeks during the second semester.
(6 hrs.). Murrieta

Clinical conference course in which students spend four hours in diagnostic clinic in small groups.
(4 hrs.). Murrieta

Neurological Surgery. Conference course one hour each week for six weeks during the second semester.
(6 hrs.). Patterson and Adelstein

FOURTH YEAR

600ab. Fourth Year Surgery.
Co. H. (399 hrs.).

Ward Work in Surgery (Surgical Clerkship). One third of the class is divided into two sections, these students serving as clinical clerks in the surgical wards during one clinical period of eleven weeks. Members of the staff will make ward rounds with each section for two hours four days each week. During this period the students will give anesthetics under supervision.
(176 hrs.). Bayley, Rowan, Sherry, Shoemaker, Sturgeon

Demonstration Clinic in Surgery. One hour each week throughout the year. Includes clinics in neurosurgery, proctology, chest surgery, orthopedic surgery, and oral surgery.
(32 hrs.). Rowan and Staff

Orthopedic Surgery. A clinical conference course is given to the entire class for two hours a week for thirteen weeks during the fourth year.
(26 hrs.). Wilson and Staff

Urology. Conferences and ward rounds during one clinical period.
(12 hrs.). Crane

Ophthalmology. Clinical conference for two hours twice each week to small groups during one clinical period.
(22 hrs.). Staff

Otology, Rhinology, and Laryngology. Clinical conference course two hours each week to small groups during one clinical period.
(22 hrs.). Brown and Staff

Surgical Pathology. Each section of the surgical clerkship group meets for two hours once each week during the clerkship period.
(22 hrs.). McMaster

Lectures in Surgery. Conference course on abdominal surgery one hour each week during the year.
(32 hrs.). Hunt

Emergency Surgery. Each section of the surgical clerkship group meets for five hours one night each week during the clerkship period at the County Hospital.
(55 hrs.). Berne

Chest. (Included in Surgical Clerkship.)
Schiffbauer

Fractures. (Included in Surgical Clerkship.)
Wilson and Staff

Neurological Surgery. (Included in Surgical Clerkship and demonstration clinic.)
Rand

Oral Surgery. (Included in Surgical Clerkship.)
Tholen and Staff

Elective Courses

Ophthalmology. Training in refraction, and practical instruction in diagnosis and treatment of the eye in the Out-patient Department.
(Third clinical period.)

Otology, Rhinology, and Larynology. Out-patient work.

Department of Obstetrics and Gynecology

Professor: McNeile (Head of Department)
Lecturer: Bassett
Clinical Professor: Shaw (Gynecology)
Acting Associate Professor: Tollefson
Associate Clinical Professors: Krahulik, McKee
Assistant Clinical Professors: Alward, Hanley, Marshall, McBurney, Pierce
Instructors: Baldwin, Fagan, Henriksen (Gynecology), McCarthy, McCausland, Reynolds, Spencer, Stilwell
Assistants: Gafford (Gynecology), Hewitt, McDermott, O'Neill, Page, Silton, Webb, Young

The work in obstetrics and gynecology consists of recitations, conferences, clinical lectures, ward rounds, prenatal and postpartum clinics, attendance upon cases in labor, and manikin practice. All work is supervised by a member of the staff.

SECOND YEAR

420. Introduction to Obstetrics and Gynecology. The female pelvis and genitalia, puberty and menstruation, reproduction, developmental anomalies, anatomy, physiology and diagnosis of pregnancy.
U. P. (16 hrs.) (1) II.

THIRD YEAR

520ab. Third Year Obstetrics and Gynecology.
Co. H. (94 hrs.).

Physiology of labor and the puerperium; management of normal pregnancy, labor and the puerperium.
(16 hrs.) I.

Pathology of pregnancy, labor and the puerperium; obstetrical operations.
(16 hrs.) II.

Principles of Gynecology. A conference course on the Principles of Gynecology. One hour each week.
(32 hrs.) I-II. Shaw and Staff

Diagnostic Clinic in Gynecology. The examination of patients, under anesthesia. Limited to groups of three students.
(6 hrs.). Shaw and Staff

Manikin Practice. Under the supervision of an instructor each student is required to perform each of the various obstetrical procedures upon the manikin. Thorough instruction in the mechanism of labor, a quiz upon operative obstetrics, and the diagnosis and treatment of all complications of labor, are included in this course. For groups of six students, six demonstrations of two hours each.
(12 hrs.) II.

Obstetrical and Gynecological Pathology. Lecture and demonstration of gross and microscopic anatomy. Limited to six students, twelve hours.
(12 hrs.) II.

FOURTH YEAR

620ab. Fourth Year Obstetrics and Gynecology.
Co. H. (332 hrs.).

Pathology of pregnancy, labor and the puerperium; obstetrical operations.
(16 hrs.).

Clinical and Operative Obstetrics. Presentation of pathological and operative cases, and demonstrations of obstetrical operations upon the manikin.
(16 hrs.).

Conference Course in Obstetrics and Gynecology. Recitation and quiz on obstetrics and gynecology. A general review.
(20 hrs.).

Clinical Obstetrics. The bloc system is used in this Department. Sections limited to twelve students are assigned to Clinical Obstetrics for four weeks during the summer vacation period between the third and fourth years.
(280 hrs.).

During this period their entire time is devoted to obstetrics, as follows:

Maternity Service. An out-patient obstetrical dispensary which annually conducts 1800 deliveries and averages 12,000 dispensary visits for prenatal or postpartum care. Each student attends prenatal and postpartum clinics, personally examining a large number of cases, and conducts from ten to fifteen labors. All dispensary work and student deliveries are done under the immediate supervision of a teaching obstetrician. For groups of four students for a period of two weeks.

Los Angeles County Hospital. Eight students spend two weeks in residence in the Obstetrical Department of this Hospital. Intensive training is given in prenatal and postpartum care, and the conduct of labor. During his service the student witnesses all normal and operative deliveries (not less than 100), makes daily ward rounds with a member of the teaching staff, serves as clinical clerk on the ward, attends weekly obstetrical conferences conducted by the staff.

Ward Work in Gynecology. Students act as clinical clerks in the wards of the Los Angeles County Hospital, and under the direction of the staff will follow the preoperative, operative, and postoperative care of gynecological cases. Ward rounds with the staff are made three times each week. Limited to groups of eight students, serving for four weeks during the obstetrical clinical period.

Dispensary Clinics in Gynecology. Conference in practical gynecology, given in connection with the "Ward Work in Gynecology" in the Out-Patient Gynecological Department of the Los Angeles County Hospital.

SCHOOL OF MEDICINE

Summary of Hours

1937-38

	First Year	Second Year	Third Year	Fourth Year	Total
Anatomy—Gross	500	...	...	...	500
Histology	168	...	...	...	168
Nervous System	112	...	...	...	112
Biochemistry	256	...	...	...	256
Physiology	...	256	...	...	256
Pharmacology	...	200	...	...	200
Pathology	...	196	64	32	292
Bacteriology	...	112	...	...	112
Immunology	...	56	...	...	56
Parasitology	...	112	...	...	112
Public Health	...	...	80	48	128
Medicine—including: Pediatrics, Dermatology, Radiology, Neuropsychiatry	...	192	803	679	1,674
Surgery—including: Orthopedics, Urology, Ophthalmology, Otology, Rhinology, and Laryngology, Neurosurgery, Oral Surgery	...	...	261	399	660
Obstetrics and Gynecology	...	16	94	*332	*442
Electives	...	...	...	†176	...
	1,036	1,140	1,302	1,490	4,968

*Includes Clinical Obstetrics.
†Not included in total.

SCHOOL OF MEDICINE
SCHEDULE OF FIRST-YEAR CLASSES, 1937-38
First Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 12	Gross Human Anatomy Med. 300a					
1:15 to 4:45	Histology Med. 310	Biochemistry Med. 340a 1:15-3:15	Histology Med. 310	Biochemistry Med. 340a	Histology Med. 310	

SCHOOL OF MEDICINE
SCHEDULE OF FIRST-YEAR CLASSES, 1937-38
Second Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 12	Gross Human Anatomy Med. 300b					
1:15 to 4:45	Biochemistry Med. 340b	Anat. of Nerv. System Med. 320	Biochemistry Med. 340b	Anat. of Nerv. System Med. 320	Biochemistry Med. 340b	

SCHOOL OF MEDICINE
SCHEDULE OF SECOND-YEAR CLASSES, 1937-38
First Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:00 to 12:00	Physiology Med. 400	Physiology Med. 400 9:00-11:00 Pathology Med. 450	Physiology Med. 400	Physiology Med. 400 9:00-11:00 Pathology Med. 450	Physiology Med. 400	
1:15 to 4:45	Bacteriology and Immunology Med. 440-441	Pathology Med. 450	Bacteriology and Immunology Med. 440-441	Pathology Med. 450	Bacteriology and Immunology Med. 440-441	

SCHOOL OF MEDICINE
SCHEDULE OF SECOND YEAR CLASSES, 1937-38
Second Semester

<table>
<tr><th></th><th>Monday</th><th>Tuesday</th><th>Wednesday</th><th>Thursday</th><th>Friday</th><th>Saturday</th></tr>
<tr><td>8:30
to
10:30</td><td rowspan="2">Pharmacology
Med. 410</td><td>Pharmacology
Med. 410
8:00-10:00</td><td>Physical
Diagnosis
Med. 480</td><td rowspan="2">Pharmacology
Med. 410
8:00-12:00</td><td>Physical
Diagnosis
Med. 480</td><td rowspan="2"></td></tr>
<tr><td>10:30
to
12:00</td><td>Physical
Diagnosis
Med. 480
10:00-12:00</td><td>Pathology
Med. 451
(½ class)</td><td>Pathology
Med. 451
(½ class)</td></tr>
<tr><td>1:00
to
2:00</td><td>Pathology
Med. 451</td><td rowspan="3">Parasitology
Med. 442</td><td>Pathology
Med. 451
1:15-2:00</td><td rowspan="2">Parasitology
Med. 442
1:00-4:00</td><td rowspan="2"></td><td rowspan="3"></td></tr>
<tr><td>2:00
to
4:00</td><td rowspan="2">Clinical
Laboratory
Methods
Med. 482</td><td rowspan="2">Clinical
Laboratory
Methods
Med. 482</td><td rowspan="2">Pharmacology
Med. 410</td></tr>
<tr><td>4:00
to
5:00</td><td>Obstetrics
Med. 420</td></tr>
</table>

SCHOOL OF MEDICINE
SCHEDULE OF THIRD-YEAR CLASSES, 1937-38
First Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 11:15	Gynecology 8:10-9:00 Medicine Wards	Medicine Wards	Obstetrics 8:10-9:00 Medicine Wards	Medicine Wards	Medicine Wards	Therapeutics 9:00-11:00
11:15 to 12:15	Pediatrics	Surgery Clinic	Medicine Clinic	Medicine Clinic	Medicine Clinic	
1:00	Surgery	Surgery	Surgery	Public Health	Pathology	
2:00	Pathology	X-ray	Pathology (½ class)	Neurology	Pathology (½ class)	
3:00						
4:00						

SCHOOL OF MEDICINE
SCHEDULE OF THIRD-YEAR CLASSES, 1937-38
Second Semester
(Sections [Medicine and Surgery] change April 4, 1938)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 11:15	Gynecology 8:10-9:00 Medicine Wards or Surgery Out-patient	Orthopedic Wards 9:00-11:15	Obstetrics 8:10-9:00 Medicine Wards or Surgery Out-patient	Medicine Wards or Surgery Out-patient	Medicine Wards or Urology	Obstetrics — Histopathology and Manikin Practice 8:00-10:00
11:15 to 12:15	Pediatrics	Surgery Clinic	Tuberculosis Clinic	Dermatology	Medicine Clinic	
1:00	Radiology Clinic	Medicine Clinic	Psychiatry	Public Health	Otolaryngology	
2:00		Ophthalmology	Neurosurgery Proctology Anesthesia	Urology		
3:00						
4:00-6:00	Obstetrics — Histopathology and Manikin Practice					

SCHOOL OF MEDICINE
SCHEDULE OF FOURTH-YEAR CLASSES, 1937-38

In the fourth year the class is divided into three sections, the school year into three clinical periods, and the work to be done into three subdivisions. Each clinical period extends for approximately eleven weeks.

	Group I	Group II	Group III
1st Clinical Period Sept. 20, 1937 to Dec. 6, 1937	Special Clerkship Period Dermatology Communicable Diseases Syphilis Clinic Psychiatry	Surgical Clerkship Period	Medical Out-patient Period
2nd Clinical Period Dec. 6, 1937 to Mar. 7, 1938	Medical Out-patient Period	Special Clerkship Period Dermatology Communicable Diseases Syphilis Clinic Psychiatry	Surgical Clerkship Period
3rd Clinical Period Mar. 7, 1938 to May 28, 1938	Surgical Clerkship Period	Medical Out-patient Period	Special Clerkship Period Dermatology Communicable Diseases Syphilis Clinic Psychiatry

Clinics in medicine and surgery, a clinical pathological conference and pediatrics at the Children's Hospital continue throughout the year.

Electives. Time is available for elective work to a certain extent throughout the year but is greatest during the medical out-patient period. At the beginning of the year each student will submit his program of elective work for approval. Electives in medicine and surgery are available as indicated in the description of courses in these departments. Elective work available in obstetrics and gynecology and in the preclinical sciences will be announced.

SCHOOL OF MEDICINE
SCHEDULE OF FOURTH-YEAR CLASSES, 1937-38
SPECIAL CLERKSHIP PERIOD

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 9:30	Surgery	Communicable Diseases 8:00-9:30	Children's Hospital Pediatrics and Orthopedics	Obstetrics Gynecology 8:10-9:00	Communicable Diseases 8:00-10:30	Psychiatry Sections
9:30 to 11:15	Dermatology	Ophthalmology		Dermatology		
11:15 to 12:15	Clinical Pathological Conference	Surgery Clinic		Gynecology Clinic	Medicine Clinic	
1:30 to 5:30	Special Medicine Clinic	Psychiatry Sections and Special Medicine Clinic	Psychiatry Sections	Special Medicine Clinic	Psychiatry Sections and Special Medicine Clinic	

SCHOOL OF MEDICINE
SCHEDULE OF FOURTH-YEAR CLASSES, 1937-38
SURGICAL CLERKSHIP PERIOD

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:10 to 9:00	Surgery 8:30-9:30		Children's Hospital Pediatrics and Orthopedics 8:30-12:15	Obstetrics Gynecology	Obstetrics Gynecology Conference	
9:00 to 11:15	Surgery Wards 9:30-11:15	Neurological and Chest Surgery Wards		Urology and Surgery Wards	Fractures and Surgery Wards	
11:15 to 12:15	Clinical Pathological Conference	Surgery Clinic		Gynecology Clinic	Medicine Clinic	
1:00 to 3:00	Surgical Pathology	Surgical Pathology	Surgery Wards	Surgery Wards	Otology Rhinology Laryngology 1:30-3:30	
3:00 to 5:30	Surgery Wards	Surgery Wards			Surgery Wards	

SCHOOL OF MEDICINE
SCHEDULE OF FOURTH-YEAR CLASSES, 1937-38
MEDICAL OUT-PATIENT PERIOD

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:10 to 9:00	Surgery 8:30-9:30		Children's Hospital Pediatrics and Orthopedics 8:30-12:15	Obstetrics Gynecology	Obstetrics Gynecology Conference	
9:00 to 11:15	Heart Clinic and Dietetics	Neurology Clinic		Neurology Clinic	Heart Clinic and Dietetics	
11:15 to 12:15	Clinical Pathological Conference	Surgery Clinic		Gynecology Clinic	Medicine Clinic	
1:00 to 2:00	Allergy Clinic	Medicine Out-patient	Medicine Out-patient	Medicine Out-patient	Medicine Out-patient	
2:00 to 5:30	Medicine Out-patient					

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

Session of 1936-37

First Year

Name	School Last Attended and Degrees	Home Address
Adams, Robert Malcom	University of California	San Leandro
Allen, LeRoy Richard	A.B., University of Redlands, 1936	Garden Grove
Anderson, George Carl	University of Southern California	Los Angeles
Andrews, Tom Gaylord	University of Southern California	Minden, Nebr.
Bachmann, George William, Jr.	A.B., Stanford University, 1936	Santa Monica
Biggy, Robert Frank	A.B., University of Southern California, 1936	Los Angeles
Bleiberg, Donald Joseph	A.B., University of Southern California, 1936	Los Angeles
Brown, George Edward	University of Southern California	Hollywood
Buell, Frank Andrew	A.B., University of California at L. A., 1936	Los Angeles
Burley, John Sullivan	Occidental College	Alhambra
Bush, Robert Leo	University of Southern California	Beverly Hills
Cohen, Abraham	University of Southern California	Los Angeles
Coleman, Ralph Leslie	University of California at L. A.	Hollywood
Cullen, Edward Russell	A.B., University of California, 1936	Long Beach
Finerman, Wilmore Bernart	A.B., University of California at L. A., 1935	Los Angeles
Franklin, Roland Gould	University of California at L. A.	Los Angeles
Frantz, Winthrop Steele	University of California	Sacramento
Gaspar, John Lambert	University of Southern California	Los Angeles
Gibson, Thomas Albert	University of Southern California	Prescott, Ariz.
Hallstone, Victor Everett	A.B., University of California, 1935	Turlock
Hovsepian, Deron	A.B., University of California at L. A., 1936	Los Angeles
Iseminger, Sidney Willis	A.B., University of Southern California, 1936	Roseville
James, Robert Ernest	A.B., University of Southern California, 1936	National City
Jurgensen, Jack Henry, Jr.	Occidental College	Pasadena
Kayser, Frederich William	A.B., Stanford University, 1936	San Jose
Kelly, James Eugene	University of Southern California	Los Angeles
Kelly, Robert Francis	B.S., Loyola University, Los Angeles, 1936	Glendale
Knupp, Wilber S.	A.B., University of Southern California, 1936	Whittier
Koch, Eugene Robert	A.B., University of Southern California, 1936	San Francisco
Kusayanagi, Masako	A.B., University of Southern California, 1936	Los Angeles
Lasky, Irving Israel	University of Southern California	Los Angeles
Lincoln, Norman Van Hendrix	A.B., University of New Mexico, 1936	Santa Fe, N. M.
MacClocklin, Dorothy Imogene	University of Southern California	Fullerton
Malone, Charles Morton	A.B., University of California, 1935	Phoenix, Ariz.
Mazur, Harold Morris	A.B., University of California at L. A., 1934 A.M., University of California, 1936	Los Angeles
McManus, Raymond Culver	A.B., University of Southern California, 1935; A.M., 1936	Los Angeles
Meals, William Goode	San Diego State College	San Diego
Meehan, Herbert	A.B., University of California at L. A., 1934	Glendale
Newkirk, Merlin Louis	A.B., University of California at L. A., 1936	Long Beach
Pearson, John Peter	University of Arizona	Glendale, Ariz.
Read, Charles John	A.B., University of California at L. A., 1936	Los Angeles
Roe, William Forth	A.B., University of California at L. A., 1934	Glendale
Singhoff, Arno Wolfgang	University of California at L. A.	Los Angeles
Sloan, Ralph Varian	A.B., University of California at L. A., 1934	Glendale
Smith, Samuel Newlan	University of California at L. A.	West Los Angeles
Spiers, Donald William	A.B., University of Southern California, 1935	Beverly Hills
Stadler, Lawrence Barnard	A.B., University of Southern California, 1936	Huntington Park
Stephenson, William Hughes	A.B., University of California at L. A., 1936	Los Angeles
Sugarman, Jerome Norman	University of Southern California	Los Angeles
Sweeley, Glenn George	A.B., University of California at L. A., 1935	Los Angeles
Taggart, John Victor	University of California at L. A.	Los Angeles
Tapia, Carlos Telles, Jr.	University of Southern California	Sonora, Mexico
Thurber, Packard, Jr.	University of Southern California	Los Angeles
Wilkins, Howard Francis	B.S., Loyola University, Los Angeles, 1936	Los Angeles

Second Year

Name	School Last Attended and Degrees	Home Address
Andler, Maxwell, Jr.	A.B., University of Southern California, 1936	Brookline, Mass.
Bacon, Edison Pierce	University of Southern California	Los Angeles
Baker, Molly Buttress	A.B., University of California at L. A., 1934	Triunfo
Bassett, John Winfield	University of Southern California	San Diego
Brock, Burton K.	University of Southern California	El Centro
Buel, Walter Henry	A.B., University of Southern California, 1936	Los Angeles
Butler, Charles Gleason	University of California at L. A.	Los Angeles
Crawford, Donald John	University of California	Long Beach
Dahlman, Rynold Austin	University of California at L. A.	Los Angeles
Daniels, Elijah Robert	University of Southern California	Los Angeles
Feder, Bernard Herbert	A.B., University of Southern California, 1936	Los Angeles
Feeney, John Robert	B.S., D.D.S., University of Southern California, 1930; A.B., 1936	Los Angeles
Flynn, John Francis, Jr.	A.B., University of California at L. A., 1936	Los Angeles
Homann, Ralph E., Jr.	B.S., California Institute of Technology, 1935	Hollywood
Hudson, Charles Burton	Ph.G., University of California, 1931; A.B., 1935	Santa Rosa
Ingham, Harrington Vose	Pomona College	Los Angeles
Ireland, Robert McLeod	A.B., University of Southern California, 1936	Los Angeles
Jones, Samuel Austin	University of California	Los Angeles
Kimball, Merritt Hazen S.	University of California at L. A.	San Diego
Kistler, Maxwell	University of Southern California	Los Angeles
Knott, Leslie Whitestone	A.B., Occidental College, 1933	San Francisco
LaMotte, John Latimer	University of California at L. A.	Los Angeles
Lancaster, George Gale	University of Southern California	Torrance
Levin, Norman E.	A.B., University of Southern California, 1936	Los Angeles
Lynch, Theodore Thomas	Loyola University at Los Angeles	Vallejo
Maguire, Joseph Francis	A.B., University of California at L. A., 1935	Hollywood
*Miller, George Andrew	A.B., University of Southern California, 1934	Los Angeles
Moore, Frederick Jessup	A.B., Hamilton College, 1933; University of Southern California	Los Angeles
Morgan, David William	A.B., Pomona College, 1934	San Fernando
Morreale, John J.	A.B., University of Southern California, 1936	Los Angeles
Moss, George Lester	A.B., University of California, 1935	Pomona
Norene, Robert Andrew	A.B., University of Southern California, 1935	Pasadena
Olney, Millard Parker	A.B., University of California at L. A., 1935	Los Angeles
Peck, Richard Oliver	University of California at L. A.	Los Angeles
Porter, James Llewellyn	A.B., University of Southern California, 1935	National City
Redner, Leo Robert, Jr.	University of Southern California	Los Angeles
Ridge, Gerald Kent	University of California at L. A.	Los Angeles
Schuldberg, Irving Israel	University of Southern California	Los Angeles
Shulman, Leon Junior	A.B., University of California at L. A., 1935	Los Angeles
Smith, Robert Lincoln	A.B., University of California at L. A., 1935	Los Angeles
Stratton, Victor Charles	University of California at L. A.	
	A.B., University of Southern California, 1936	Los Angeles
Suzuki, Tsutomu Tom	A.B., Occidental College, 1935	Los Angeles
Swift, Lorin Clyde	University of California at L. A.	Los Angeles
Vickers, James Edmund	A.B., University of California at L. A., 1935	Los Angeles
Walters, John Douglas	A.B., University of California at L. A., 1934	Hollywood
Wilks, Frank Wallace	University of California at L. A.	Los Angeles

*Withdrew during first semester.

Third Year

Name	School Last Attended and Degrees	Home Address
Bidwell, Robert Reddington	University of California at L. A.	Santa Monica
Blatherwick, Norman Henry	University of California at L. A. A.B., University of Southern California, 1935	Los Angeles
Burbidge, John Heathcote	San Diego State College	Pacific Beach
Busby, Walter Whitcomb	A.B., University of Southern California, 1935	Los Angeles
Canby, Charles Borrmann	University of California at L. A. A.B., University of Southern California, 1935	Van Nuys
Chapman, Edwin Stow	A.B., University of Southern California, 1935	San Fernando
Chernow, Marvin Lee	A.B., University of California at L. A., 1934	Los Angeles
Clothier, William Lewis	A.B., Occidental College, 1932	Los Angeles
Conklin, James Edward, Jr.	College of the Pacific	Acampo
Cowper, Herbert Hazlett	A.B., University of California at L. A., 1934	So. Pasadena
Crane, Edward Harrison	A.B., University of California at L. A., 1934	Inglewood
Davis, Donald R.	A.B., University of Southern California, 1935	San Diego
Dempsey, Thomas Francis	A.B., Lehigh University, 1934	Torrance
Englehorn, Harold Milton	University of Southern California	San Diego
Flaherty, Tom Titian	Loyola University A.B., University of Southern California, 1935	Long Beach
Giovanazzi, Joseph Eugene	San Diego State College	San Diego
Gould, Charles Ernest G.	A.B., University of British Columbia, 1928	British Columbia
Griffin, Richard Anthony	University of California at L. A. A.B., University of Southern California, 1935	No. Hollywood
Heller, Robert Antrim	A.B., State University of Montana, 1934	La Cañada
Hopkins, Thorne	Fresno State College A.B., University of Southern California, 1935	Fresno
Horowitz, Samuel Charles	A.B., University of Southern California, 1934	Los Angeles
Hull, Earl Theo, Jr.	A.B., University of California at L. A., 1934	Los Angeles
Hull, Frederick Hinkley	A.B., University of California at L. A., 1934	Beverly Hills
Ichioka, Tsutayo Nakao	A.B., University of Southern California, 1935	Los Angeles
Kamins, Maurice Lloyd	A.B., University of California at L. A., 1934	Los Angeles
Kidd, Thomas Roberts	A.B., University of Southern California, 1935	Southgate
Kingsbery, Lloyd Batré	A.B., University of Southern California, 1933	Los Angeles
Lipkis, Morey Leonard	A.B., University of California at L. A., 1934	Los Angeles
MacDonald, James Lindell	A.B., University of Redlands, 1935	Redlands
Macer, George Armand	A.B., University of Southern California, 1934	Pasadena
Mark, Bernard John	B.S., University of Washington, 1932	Hollywood
Middleton, Joseph Gaines	A.B., University of Southern California, 1935	Los Angeles
Mirovich, Joseph Irving	A.B., University of Southern California, 1931	Hollywood
Nelson, Norman Bartram	A.B., University of California at L. A., 1934	Los Angeles
Owens, Harold	A.B., University of California, 1931	Glendale
Page, Griffith Davidson	University of California at L. A. A.B., University of Southern California, 1935	Los Angeles
Pierose, Perry Nickolas	A.B., Stanford University, 1933	Los Angeles
von Reutepohler, Ripples Menga	A.B., University of Southern California, 1935	Los Angeles
Rosenblum, Bernard H.	A.B., University of California, 1932	Los Angeles
Sanborn, Alvin Leavitt	A.B., University of Southern California, 1934	Lemoore
Stanton, Frank Everett	University of California at L. A., A.B., University of Southern California, 1936	Long Beach
Sturgeon, Esther Bradshaw	A.B., University of Southern California, 1935	Los Angeles
Thompson, George Newton, Jr.	A.B., San Diego State College, 1934	Los Angeles
Trotter, Joseph Trumball, Jr.	University of Southern California	Pasadena

Fourth Year

Name	School Last Attended and Degrees	Home Address
Abbott, Grant	A.B., Occidental College, 1932	Glendale
Balch, Harry Eugene	A.B., University of California at L. A., 1931 A.M., University of California, 1932	Los Angeles
Beecroft, Ruth Koester	A.B., University of Minnesota, 1925; A.M., 1927	Los Angeles
Benson, Seymour Kanter	A.B., University of Southern California, 1933	Los Angeles
Bernstein, Theodore Isra	University of Southern California	Los Angeles
Beswick, John West	A.B., University of California, 1931	Florin
Bingaman, Dixi McLean	A.B., University of California, 1933	Salinas
Calden, Willard Stephen	University of California A.B., University of Southern California, 1935	Berkeley
Cane, Edward Martin	University of California at L. A. A.B., University of Southern California, 1935	Los Angeles
Cutler, Charles Henry	A.B., University of California, 1931	Palo Alto
Dahlgren, Arthur R.	Stanford University A.B., University of Southern California, 1933	Fresno
Daly, Joseph Austin	University of California at L. A. A.B., University of Southern California, 1935	San Fernando
Elerding, George William	A.B., University of California at L. A., 1932	Long Beach
Fielding, Frederick James	University of California at L. A. A.B., University of Southern California, 1934	Los Angeles
Fraleigh, John Percival	A.B., University of Southern California, 1933	Los Angeles
French, Jack Douglas	A.B., University of California at L. A., 1933	Los Angeles
Gallison, Frank Everett	University of California	Berkeley
Higgins, John W.	A.B., University of Southern California, 1934	Los Angeles
Hoover, Harold Roger	A.B., University of California at L. A., 1933	Pasadena
Hull, Forrest Edgar	A.B., University of Southern California, 1933	Los Angeles
Jacobson, George	A.B., University of Southern California, 1932	Los Angeles
Jones, Theodore Clifton	A.B., Stanford University, 1933	Palo Alto
Kilbourne, Edwin Deaborn, Jr.	A.B., University of Hawaii, 1933	Honolulu, T. H.
Kobal, Arthur Leo	A.B., University of Southern California, 1934	Los Angeles
Lewis, Harvey Alvin	A.B., University of Southern California, 1934	Los Angeles
Little, Dana Duncan	University of California at L. A.	Las Vegas, Nevada
Little, William Morse	University of California at L. A. A.B., University of Southern California, 1934	Las Vegas, Nevada
Lynch, Richard Leslie	A.B., Stanford University, 1932	Amador City
McCloy, Neil Patrick	Loyola University, Los Angeles A.B., University of Southern California, 1934	Los Angeles
McGregor, Helen	A.B., University of California at L. A., 1926	Altadena
McMullen, Colin Bernard	A.B., University of Southern California, 1935	San Pedro
Magnuson, Harold Joseph	A.B., University of Southern California, 1934	Los Angeles
Mershon, Robert Henderson	A.B., University of Southern California, 1934	Long Beach
Nemethi, Carl Edward	A.B., University of Southern California, 1934	Los Angeles
Patterson, Lloyd Hoyt	A.B., University of Southern California, 1934	Phoenix, Arizona
Ritchie, Paul James	University of California at L. A. A.B., University of Southern California, 1935	Los Angeles
Roberts, Walter L.	A.B., University of Southern California, 1933	Los Angeles
Smith, Charles Callendar	A.B., University of California, 1931	Berkeley
Strauss, Ludwig	University of Berne	Los Angeles
Tanton, Harry A.	A.B., Pomona College, 1933	Los Angeles
Thomas, John Wix	A.B., Pomona College, 1933	Hollywood
Veitch, Frederick Arthur	A.B., University of Southern California, 1933	Los Angeles
Weldon, Robert Cushman	University of Redlands	Hollywood
Wolf, Robert William	University of California A.B., University of Southern California, 1935	San Francisco

Fifth Year

Name	School Last Attended and Degrees	Interneship
Anderson, Ernest Richard Vincent	A.B., Univ. of Calif. at L. A., 1932	Los Angeles County Hospital
Anderson, Frank Manter	A.B., Univ. of Calif. at L. A., 1932	Los Angeles County Hospital
Bartlett, John Carleton	Stanford University A.B., Univ. of So. Calif., 1934	Alameda County Hospital, Oakland
Bryant, Alva Luel, Jr.	Univ. of California at L. A. A.B., Univ. of So. Calif., 1933	U. S. Marine Hospital, San Francisco
Burston, Herschel Herbert	Univ. of Calif. at L. A. A.B., Univ. of So. Calif., 1934	Los Angeles County Hospital
Carlson, Elmer Otto	A.B., Univ. of So. Calif., 1933	San Diego County Hospital, San Diego
Comparette, Homer Louis	A.B., Univ. of So. Calif., 1933	Los Angeles County Hospital
Dyke, Louis Henry, Jr.	A.B., Univ. of Calif., 1932	Alameda County Hospital, Oakland
Emmons, Lowell Luther	Stanford University A.B., Univ. of So. Calif., 1934	San Bernardino County Charity Hospital
Galbraith, Harold Frederick	University of California A.B., Univ. of So. Calif., 1934	Orange County Hospital, Orange
Gallup, Charles Amos	A.B., Univ. of So. Calif., 1933	Los Angeles County Hospital
Gandin, Morris M.	University of California at L. A. A.B., Univ. of So. Calif., 1933	Los Angeles County Hospital
Garrett, Garland Fielding	A.B., Pasadena College, 1927	The California Hospital
Goodhill, Victor	A.B., Univ. of So. Calif., 1933	Cedars of Lebanon Hospital
Goto, James M.	University of California at L. A. A.B., Univ. of So. Calif., 1933	Los Angeles County Hospital
Greeley, Charles Eddy	A.B., Univ. of So. Calif., 1924; A.M., 1925 Ph.D., Univ. of Mich., 1931 Univ. of Mich. Medical School	Univ. of Southern California College of Dentistry
Greeley, Paul Orson	A.B., Univ. of So. Calif., 1921; A.M., 1923 Ph.D., Univ. of Mich., 1930 Univ. of Mich. Medical School	Univ. of Southern California School of Medicine
Guinney, Francis Edwin	A.B., Univ. of So. Calif., 1933	Los Angeles County Hospital
Handley, Russell C.	Stanford University	Los Angeles County Hospital
Hendricks, Coleman Bresee	A.B., Vanderbilt University, 1929 B.S. (in Pharm.), Univ. of So. Calif., 1932	Los Angeles County Hospital
Jacobson, Leland Carl	B.S. (in Educ.), Univ. of So. Calif., 1930	San Bernardino County Charity Hospital
Jamentz, Albert Hartune	A.B., Univ. of Calif. at L. A., 1931	Los Angeles County Hospital
Knouf, Evelynne Gwenneth	A.B., Univ. of So. Calif., 1932	Los Angeles County Hospital
Leix, Frederick William Sanderson	A.B., Univ. of So. Calif., 1932 Creighton Univ. School of Med.	Los Angeles County Hospital
Lighthill, Jack Albert	University of Chicago	Los Angeles County Hospital
Linné, Francis Byrnes	A.B., Univ. of So. Calif., 1933	The California Hospital
London, Milton Z.	University of California at L. A. A.B., Univ. of. So. Calif., 1934	Los Angeles County Hospital
Long, James Clarke	University of California at L. A. A.B., Univ. of So. Calif., 1933	Los Angeles County Hospital
McCoy, David Allen	A.B., Occidental College, 1933	Los Angeles County Hospital
Milliken, Ralph Malcom	A.B., Pomona College, 1932	St. Vincent's Hospital
Needles, John Walter	A.B., Univ. of So. Calif., 1933	U. S. Marine Hospital, San Francisco
Petersen, Henry Charles	Stanford University	Sacramento County Hospital, Sacramento
Riddell, Herman Irving	University of California at L. A. A.B., Univ. of So. Calif., 1933	Louisville City Hospital, Louisville, Kentucky
Root, Ralph Nathan	B.S. (in Pharm.), Univ. of So. Calif., 1932	San Bernardino County Charity Hospital

Fifth Year

Name	School Last Attended and Degrees	Interneship
Schmidt, Allen Robert	A.B., Univ. of So. Calif., 1933	Fresno County General Hospital, Fresno
Soroker, Stella B.	University of California at L. A. A.B., Univ. of So. Calif., 1933	Los Angeles County Hospital
Spungin, Seymour Abraham	A.B., Univ. of Oklahoma, 1931 Univ. of Okla. School of Med.	Los Angeles County Hospital
Steele, Warren Nelson, Jr.	A.B., Stanford University, 1932	Los Angeles County Hospital
Thompson, Roderick A. I.	A.B., Univ. of So. Calif., 1932	Los Angeles County Hospital
Tully, Paul White	University of California at L. A. A.B., Univ. of So. Calif., 1933	Santa Fe Coast Lines Hospital
Turkel, William Abraham	B.S. (in Pharm.), Univ. of So. Calif., 1931; A.B., 1933	Mary's Help Hospital, San Francisco
Wadsworth, Elmer Eugene, Jr.	A.B., Univ. of So. Calif., 1933	Santa Barbara General Hospital, Santa Barbara
Westsmith, Richard Alan	A.B., Stanford University School of Medicine, 1931	Los Angeles County Hospital
Wood, Clyde Othur	University of Southern California	Los Angeles County Hospital
Woodhull, Franklin Earl	A.B., Univ. of Calif. at L. A., 1932	Gorgas Hospital, Canal Zone, Panama
Ziskin, Daniel E.	A.B., Univ. of So. Calif., 1933	Los Angeles County Hospital

GRADUATES OF THE SCHOOL OF MEDICINE

Adams, William Lanier, Jr.	University of California A.B., Univ. of So. Calif., 1930 M.D., Univ. of So. Calif., 1934	Los Angeles County Hospital
Aldrich, Alla Margaret (Mrs. Thomas Mooney)	A.B., Univ. of Calif., 1928 M.D., Univ. of So. Calif., 1934	Los Angeles County Hospital
Althouse, Hugh Christian	A.B., Univ. of So. Calif., 1932 M.D., Univ. of So. Calif., 1936	The California Hospital
Armstrong, Elwin Leroy	University of California A.B., Univ. of So. Calif., 1933 M.D., Univ. of So. Calif., 1936	Alameda County Hospital, Oakland
Baer, Irving Nathan	Ph.G., Univ. of So. Calif., 1926 Univ. of Calif. at L. A. A.B., Univ. of So. Calif., 1931 M.D., Univ. of So. Calif., 1935	Los Angeles Maternity Service
Baus, Gaston	A.B., Univ. of So. Calif., 1930 M.D., Univ. of So. Calif., 1934	Children's Hospital, Los Angeles
Bennett, Terry Canfield	A.B., Univ. of So. Calif., 1932 M.D., Univ. of So. Calif., 1935	French Hospital, Los Angeles
Bilafer, Robert A.	A.B., Stanford University, 1929 M.D., Univ. of So. Calif., 1934	514 Castro Street, San Francisco
Blackman, William Harold	A.B., Univ. of So. Calif., 1926 College of Medical Evangelists M.D., Univ. of So. Calif., 1933	Indio
Borah, Charles Edward	D.D.S., Univ.of. So. Calif., 1929 M.D., Univ. of So. Calif., 1935	Phoenix, Ariz.
Carter, Richard Alfred	Whittier College M.D., Univ. of So. Calif., 1934	Los Angeles County Hospital
Chase, Edwin Morrey	B.S., University of Oregon, 1929 M.D., Univ. of So. Calif., 1934	Soledad

Graduates

Name	School Last Attended and Degrees	
Chittenden, Rea Forry	A.B., Univ. of Calif. at L. A., 1929 M.D., Univ. of So. Calif., 1934	Children's Hospital, Los Angeles
Christian, Sam Gardner	A.B., Univ. of So. Calif., 1931 M.D., Univ. of So. Calif., 1936	Sacramento
Clock, Charles Joseph	A.B., Univ. of So. Calif., 1929 College of Medical Evangelists M.D., Univ. of So. Calif., 1933	Medical Arts Bldg., Redlands
Cramer, Dwight Lester	Ph.G., Univ. of Wash., 1923 A.B., Univ. of So. Calif., 1931 M.D., Univ. of So. Calif., 1936	Santa Fe Coast Lines Hospital
Cutshaw, Charles MacLaren	Stanford University A.B., Univ. of So. Calif., 1934 M.D., Univ. of So. Calif., 1936	Brawley
Donath, Douglas Harry	A.B., Univ. of Calif. at L. A., 1931 M.D., Univ. of So. Calif., 1936	The Mayo Foundation, Rochester, Minnesota
Donham, Robert Cecil	A.B., Univ. of So. Calif., 1928 College of Medical Evangelists M.D., Univ. of So. Calif., 1933	Los Angeles County Hospital
Douglass, George Hall	A.B., Univ. of So. Calif., 1929 M.D., Univ. of So. Calif., 1934	5300 Hollywood Blvd., Los Angeles
Emerson, Charles V.	A.B., Morningside College, 1926 College of Medical Evangelists M.D., Univ. of So. Calif., 1933	4172 Whittier Blvd., Los Angeles
Epstein, Herman Commie	A.B., Univ. of Calif. at L. A., 1929 M.D., Univ. of So. Calif., 1936	329 West Jefferson Street, Los Angeles
Farrage, James	University of Arizona M.D., Univ. of So. Calif., 1934	Riverside County Hospital, Arlington
Feder, Morris Reuben	Univ. of Calif. at L. A. A.B., Univ. of So. Calif., 1931 M.D., Univ. of So. Calif., 1935	3538 Garden Avenue, Los Angeles
French, Richard Louis	A.B., Stanford University, 1931 M.D., Univ. of So. Calif., 1936	Los Angeles County Hospital
Gates, Earl Francis	Stanford University A.B., Univ. of So. Calif., 1932 M.D., Univ. of So. Calif., 1936	U. S. Public Health Service
Gibboney, Don Bernard	Univ. of So. Calif. M.D., Univ. of So. Calif., 1935	Los Angeles County Hospital
Goodcell, Ross Adams	A.B., Stanford University, 1929 M.D., Univ. of So. Calif., 1934	1136 West Sixth Street, Los Angeles
Green, Carl Victor	A.B., Univ. of So. Calif., 1927 College of Medical Evangelists M.D., Univ. of So. Calif., 1933	U. S. Navy Medical School, Washington, D. C.
Griset, Mary L. (Mrs. Max D. Hendricks)	A.B., Occidental College, 1929 M.D., Univ. of So. Calif., 1934	Wasco
Grunewald, Carl Frederiek	A.B., University of Ill., 1920, B.S., 1922 M.D., Univ. of So. Calif., 1935	595 East Colorado St., Pasadena
Hall, George E.	A.B., Univ. of So. Calif., 1932 Loyola Med. School, Chicago M.D., Univ. of So. Calif., 1935	1520 Firestone Blvd., Los Angeles

Graduates

Name	School Last Attended and Degrees	
Hamilton, Van Rensselaer	A.B., Stanford University, 1929 M.D., Univ. of So. Calif., 1934	14527 Sylvan Street, Van Nuys
Harris, George Sidney	A.B., Univ. of So. Calif., 1932 M.D., Univ. of So. Calif., 1936	Los Angeles County Hospital
Harwood, Chad McKinney	A.B., Univ. of. So. Calif., 1933 M.D., Univ. of So. Calif., 1935	214 East Walnut Street, Santa Ana
Hawley, Carl John	A.B., Univ. of So. Calif., 1931 M.D., Univ. of So. Calif., 1935	San Bernardino County Charity Hospital
Hendricks, Max Dixon	University of California M.D., Univ. of So. Calif., 1934	Wasco
Hewitt, George W.	A.B., Univ. of So. Calif., 1917, A.M., 1922 College of Medical Evangelists M.D., Univ. of So. Calif., 1933	1136 West Sixth Street, Los Angeles
Hoff, Cecil Wayne	A.B., Univ. of So. Calif., 1932 M.D., Univ. of So. Calif., 1936	San Bernardino
Hogan, William James	A.B., Univ. of So. Calif., 1930 M.D., Univ. of So. Calif., 1935	4819 South Western Avenue, Los Angeles
Hosmer, Rawson Fell	A.B., Univ. of Michigan, 1930 Univ. of. Chicago—The Graduate School of Medicine M.D., Univ. of So. Calif., 1936	Chicago, Illinois
Houghton, Karl Herbert	Univ. of Calif., at L. A. A.B., Univ. of So. Calif., 1932 M.D., Univ. of So. Calif., 1936	Letterman General Hospital, San Francisco
House, Howard Payne	A.B., Whittier College, 1930 M.D., Univ. of So. Calif., 1935	Los Angeles County Hospital
Hoyt, Elizabeth B.	A.B., Univ. of Denver, 1914, A.M., 1917 Univ. of Colo. School of Med. M.D., Univ. of So. Calif., 1934	Pacific Colony, Spadra
Hromadka, John Ben	Stanford University M.D., Univ. of So. Calif., 1935	228 Santa Monica Boulevard, Santa Monica
Humphreys, Pat Connell	A.B., Univ. of So. Calif., 1931 M.D., Univ. of So. Calif., 1935	Los Angeles County Hospital
Jamison, Horace William	Univ. of Calif. at L. A. A.B., Univ. of So. Calif., 1932 M.D., Univ. of So. Calif., 1936	Los Angeles County Hospital
Kennedy, Robert Allen	Santa Barbara State College A.B., Univ. of So. Calif., 1931 M.D., Univ. of So. Calif., 1935	8407 South Vermont, Los Angeles
Kerber, Harry Edwin	A.B., Univ. of So. Calif., 1930 M.D., Univ. of So. Calif., 1934	102 South Central Avenue, Glendale
Laubersheimer, Anton	A.B., Stanford University, 1930 M.D., Univ. of So. Calif., 1935	Los Angeles County Hospital
Lauritsen, Sigrid Hendriksen	A.B., Univ. of Calif. at L. A., 1930 M.D., Univ. of So. Calif., 1936	Los Angeles County Hospital
Levin, Edward	A.B., Univ. of So. Calif., 1930 M.D., Univ. of So. Calif., 1934	151 North Fairfax Avenue, Los Angeles

Graduates

Name	School Last Attended and Degrees	
Lewe, Irving Abbott	Univ. of Calif. at L. A., A.B., Univ. of So. Calif., 1933 M.D., Univ. of So. Calif., 1936	Los Angeles County Hospital
Lindsey, James O.	University of Arizona College of Medical Evangelists M.D., Univ. of So. Calif., 1933	225 Santa Monica Boulevard, Santa Monica
Link, Vernon Bennett	Univ. of Calif. at L. A. A.B., Univ. of So. Calif., 1932 M.D., Univ. of So. Calif., 1936	U. S. Public Health Service
Lomas, Jack B.	Ph.G., Univ. of So. Calif., 1926 M.D., Univ. of So. Calif., 1934	2007 Wilshire Boulevard, Los Angeles
Lomas, Max Israel	A.B., Univ. of So. Calif., 1931 M.D., Univ. of So. Calif., 1935	2007 Wilshire Boulevard, Los Angeles
Lopez, Charles J.	A.B., Univ. of So. Calif., 1931 M.D., Univ. of So. Calif., 1935	6777 Hollywood Blvd., Hollywood
Mariette, Edgar Lionel	B.S., University of Oregon, 1929 M.D., Univ. of So. Calif., 1934	Los Angeles County Hospital
Martin, Helen Eastman	A.B., Pomona College, 1927 M.D., Univ. of So. Calif., 1934	Los Angeles County Hospital
Mendelsohn, Howard A.	Univ. of Calif. at L. A. A.B., Univ. of So. Calif., 1932 M.D., Univ. of So. Calif., 1936	Los Angeles County Hospital
Mershon, Harry Franklin	University of Colorado A.B., Univ. of So. Calif., 1930 M.D., Univ. of So. Calif., 1934	1407 South Hope Street, Los Angeles
Mitchell, William John, Jr.	A.B., Univ. of Arizona, 1929 University of Chicago—The Graduate School of Medicine M.D., Univ. of So. Calif., 1935	Los Angeles County Hospital
Moffatt, Donald Wadleigh	A.B., Univ. of So. Calif., 1931 M.D., Univ. of So. Calif., 1935	Edinburgh, Scotland
Mount, Bess Lucille	A.B., Grinnell College, 1909 Univ. of Southern California M.D., Univ. of So. Calif., 1934	1347 Atlantic Avenue, Long Beach
Nelson, Clyde Vincent, Jr.	A.B., Univ. of So. Calif., 1930 M.D., Univ. of So. Calif., 1935	137 N. Manhattan Place, Los Angeles
Newman, Milton	A.B, Univ. of So. Calif., 1931 M.D., Univ. of So. Calif., 1935	275 Central Park West, New York City
Olsen, Alonzo Young	Stanford University A.B., Univ. of So. Calif., 1930 M.D., Univ. of So. Calif., 1934	1052 W. Sixth Street, Los Angeles
Olson, Sidney Julien	A.B., Stanford University, 1929 M.D., Univ. of So. Calif., 1935	Turlock
Ostrom, L. Bradford	University of Washington A.B., Univ. of So. Calif., 1932 M.D., Univ. of So. Calif., 1935	King County Hospital, Seattle, Washington
Palmer, Jay James	A.B., Univ. of So. Calif., 1932 M.D., Univ. of So. Calif., 1935	Univ. of So. California School of Medicine
Paul, Carl John	A.B., Stanford University, 1930 M.D., Univ. of So. Calif., 1935	Orange

Graduates

Name	School Last Attended and Degrees	
Paxton, John Richard	A.B., Univ. of So. Calif., 1933 M.D., Univ. of So. Calif., 1936	Olive View Sanatorium, Olive View
Phillips, Francis LeRoy	Univ. of Calif. at L. A. A.B., Univ. of So. Calif., 1933 M.D., Univ. of So. Calif., 1936	U. S. Navy Medical Corps
Priver, Maurice Sterling	Univ. of Calif. at L. A. A.B., Univ. of So. Calif., 1932 M.D., Univ. of So. Calif., 1936	Los Angeles County Hospital
Radcliffe, Wm. Drummond, Jr.	A.B., Univ. of Ariz., 1928 M.D., Univ. of So. Calif., 1934	Los Angeles County Hospital
Reynolds, Frank Chester	A.B., Stanford University, 1930 M.D., Univ. of So. Calif., 1935	Chico
Reynolds, Frederick Gregory	Univ. of Southern California M.D., Univ. of So. Calif., 1935	Los Angeles County Hospital
Rhind, Ralph	A.B., Stanford University, 1929 M.D., Univ. of So. Calif., 1934	Hermosa Beach
Rollins, Emanuel	Univ. of Calif. at L. A. A.B., Univ. of So. Calif, 1932 M.D., Univ. of So. Calif., 1936	U. S. Public Health Service
Rosenblum, Gordon	Univ. of Calif. at L. A. M.D., Univ. of So. Calif., 1935	Los Angeles County Hospital
Runyon, Leslie A.	Stanford University A.B., Univ. of So. Calif., 1932 M.D., Univ. of So. Calif., 1935	Sacramento
Saverien, Henry Ludwig	A.B., Univ. of So. Calif., 1931 M.D., Univ. of So. Calif., 1934	Sacramento
Scherb, Robert Emmett	Univ. of Calif. at L. A. A.B., Univ. of So. Calif., 1929 M.D., Univ. of So. Calif., 1934	210 Haberfelde Bldg., Bakersfield
Schultz, Arthur Lenton	A.B., Univ. of So. Calif., 1931 M.D., Univ. of So. Calif., 1935	El Centro
Schwartz, Simon DeWitt	A.B., Univ. of Alabama, 1931 M.D., Univ. of So. Calif., 1936	Los Angeles County Hospital
Seitter, Paul Franklin	A.B., Univ. of So. Calif., 1932 M.D., Univ. of So. Calif., 1935	Fort Benton, Montana
Sherman, Edward Charles	Ohio State University A.B., Univ. of So. Calif., 1929 M.D., Univ. of So. Calif., 1934	Cambria
Simon, Julius	A.B., Univ. of So. Calif., 1929 M.D., Univ. of So. Calif., 1934	1680 North Vine Street, Hollywood
Smith, Gordon Knight	Univ. of Southern California M.D., Univ. of So. Calif., 1936	St. Vincent's Hospital, Portland, Oregon
Soll, Sydney Nathaniel	Univ. of Calif. at L. A. A.B., Univ. of So. Calif., 1932 M.D., Univ. of So. Calif., 1936	Michael Reese Hospital, Chicago, Illinois
Sturdevant, Matthew Chafin	A.B., Univ. of Redlands, 1931 M.D., Univ. of So. Calif., 1936	Los Angeles County Hospital

Graduates

Name	School Last Attended and Degrees	
Swansen, Merle Harris	Occidental College A.B., Univ. of So. Calif., 1931 M.D., Univ. of So. Calif., 1935	Tulelake
Thomas, Grace Fern	B.S., Univ. of Nebraska, 1924 M.A., Creighton Univ,. 1926 Creighton Univ. School of Med. M.D., Univ. of So. Calif., 1935	Los Angeles County Hospital
Tokuyama, Shunichi Samuel	Univ. of Calif. at L. A. A.B., Univ. of So. Calif., 1929 M.D., Univ. of So. Calif., 1934	Japan
Topping, Norman Hawkins	Univ. of Calif. at L. A. A.B., Univ. of So. Calif., 1933 M.D., Univ. of So. Calif., 1936	U. S. Public Health Service
Wieman, Walter Herman	B.S., Oregon State College, 1928 M.D., Univ. of So. Calif., 1934	Queen of Angels Hospital, Los Angeles
Wilkinson, Allan Blodgett	Univ. of Calif. at L. A. A.B., Univ. of So. Calif., 1932 M.D., Univ. of So. Calif., 1936	Los Angeles County Hospital
Wilson, Warren Andrew	A.B., Stanford University, 1930 M.D., Univ. of So. Calif., 1936	Los Angeles County Hospital
Witherbee, Orville Orvus, Jr.	Stanford University M.D., Univ. of So. Calif., 1935	Lenox Hill Hospital, New York City, N. Y.
Wong, Matthew Loo	University of California A.B., Univ. of So. Calif., 1931 M.D., Univ. of So. Calif., 1935	Philadelphia, Pennsylvania
Wood, Charles Milton	University of Nebraska College of Medicine M.D., Univ. of So. Calif., 1936	Grass Valley

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THE UNIVERSITY OF SOUTHERN CALIFORNIA BULLETIN

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1938-1939

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Entered as second-class matter August 16, 1933, at the Post Office at Los Angeles, California, under the Act of August 24, 1912.

THE UNIVERSITY OF SOUTHERN CALIFORNIA BULLETIN

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Entered as second-class matter August 16, 1933, at the Post Office at Los Angeles, California, under the Act of August 24, 1912.

1938

JANUARY

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MARCH

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MAY

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JUNE

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JULY

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AUGUST

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SEPTEMBER

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OCTOBER

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NOVEMBER

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DECEMBER

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1939

JANUARY

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FEBRUARY

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MARCH

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DECEMBER

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CALENDAR OF THE SCHOOL OF MEDICINE*

1938

Sept. 14—Wednesday	9 A.M.	Registration begins.
Sept. 19—Monday	8. A.M.	First semester begins.
Oct. 4—Tuesday		Founders' Day.
Nov. 11—Friday		Armistice Day—Holiday.
Nov. 23—Wednesday	9 P.M.	Thanksgiving recess begins.
Nov. 28—Monday	8 A.M.	Thanksgiving recess ends.
Dec. 10—Saturday	12 M.	Christmas recess begins.

1939

Jan. 2—Monday	8 A.M.	Christmas recess ends.
Feb. 4—Saturday	12 M.	First semester ends.
Feb. 6—Monday	9 A.M.	Registration begins.
Feb. 7—Tuesday	8 A.M.	Second semester begins.
Feb. 22—Wednesday		Washington's Birthday—Holiday.
April 1—Saturday	12 M.	Spring recess begins.
April 10—Monday	8 A.M.	Spring recess ends.
May 30—Tuesday		Memorial Day—Holiday.
June 4—Sunday	3 P.M.	Baccalaureate.
June 8—Thursday	8 A.M.	Final examinations begin for nongraduating students.
June 10—Saturday	3 P.M.	Commencement.
June 14—Wednesday	6 P.M.	Final examinations end for nongraduating students.
Sept. 19—Tuesday		Registration begins.
Sept. 25—Monday		Instruction begins.

*For information as to dates on which certain University requirements should be met by students in the Graduate School, see the bulletin of that school.

SCHOOLS AND COLLEGES

COLLEGE OF LETTERS, ARTS, AND SCIENCES
- SCHOOL OF PHILOSOPHY
- SCHOOL OF SPEECH
- SCHOOL OF JOURNALISM
- SCHOOL OF MUSIC

SCHOOL OF RELIGION

SCHOOL OF LAW

COLLEGE OF DENTISTRY (Affiliated)

COLLEGE OF PHARMACY

THE GRADUATE SCHOOL
- SCHOOL OF RESEARCH

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION
- SCHOOL OF MERCHANDISING

SCHOOL OF EDUCATION

GRADUATE SCHOOL OF SOCIAL WORK

THE LOS ANGELES UNIVERSITY OF INTERNATIONAL RELATIONS (Affiliated)

UNIVERSITY COLLEGE

COLLEGE OF ARCHITECTURE AND FINE ARTS

COLLEGE OF ENGINEERING

SCHOOL OF MEDICINE

SCHOOL OF GOVERNMENT

UNIVERSITY JUNIOR COLLEGE

SCHOOL OF LIBRARY SCIENCE

THE SUMMER SESSION

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Merle N. Smith, D.D., LL.D., Pasadena, California.

Term Expires in 1939

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Andrew M. Chaffey, Treasurer, Los Angeles.
E. E. Helms, D.D., Los Angeles.
Raphael Herman, LL.D., Beverly Hills, California.
Ben R Meyer. Los Angeles.
D. E. C. Moore, Los Angeles.
J. W. Oakley, D.D.S., L.D.S., Los Angeles.
Harry Philp. Los Angeles.
George W. Walker, Los Angeles.

Term Expires in 1940

Harry J. Bauer, LL.B., Vice-President, Los Angeles.
W. L. Y. Davis, D.D., Pasadena, California.
Mrs. Walter H. Fisher, Beverly Hills, California.
Ralph B. Hardacre, Los Angeles.
Alfred Inwood, D.D., Inglewood, California.
Rufus B. von KleinSmid, A.M., Sc.D., J.D., Ph. et Litt.D., LL.D., Los Angeles.
C. I. D. Moore, Los Angeles.
Wayland Morrison, M.D., Los Angeles.
S. K. Rindge, Los Angeles.

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L. E. Behymer, M.B.A., Los Angeles.
J. E. Carr, Los Angeles.
Albert J. Wallace, LL.D., Los Angeles.

†Deceased August 19, 1937.

UNIVERSITY ADMINISTRATIVE OFFICERS

RUFUS B. VON KLEINSMID, A.M., Sc.D., J.D., Ph. et Litt.D., LL.D., President of the University

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FRANCIS M. BACON, A.B., D.D.S. Counselor of Men

HENRY W. BRUCE, A.B., J.D. Vice-President and Comptroller

THERON CLARK, A.B. Registrar

MARY SINCLAIR CRAWFORD, A.M., Ph.D., LL.D., Counselor of Women

CHRISTIAN R. DICK, A.B. Librarian

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HERBERT WYNFORD HILL, Ph.M., Ph.D. University Editor

ALBERT SYDNEY RAUBENHEIMER, A.M., Ph.D., Director of the Educational Program of the University

HUGH CAREY WILLETT, A.M. Director of Admissions

THE COLLEGES AND SCHOOLS

PHILIP SHERIDAN BIEGLER, M.S., E.E., Dean of the College of Engineering

EMORY STEPHEN BOGARDUS, A.M., Ph.D., Dean of the Graduate School of Social Work

MARY DUNCAN CARTER, Ph.B., B.L.S., Director of the School of Library Science

RALPH TYLER FLEWELLING, S.T.B., Ph.D., LL.D., Director of the School of Philosophy

LEWIS EUGENE FORD, D.D.S., D.D.Sc., F.A.C.D., Dean of the College of Dentistry

ROY L. FRENCH, A.M. Director of the School of Journalism

WILLIAM GREEN HALE, B.S., LL.B., Dean of the School of Law

ROCKWELL DENNIS HUNT, A.M., Ph.D., LL.D., Litt.D., Dean of the Graduate School and Director of the School of Research

RAY KEESLAR IMMEL, A.M., Ph.D., Director of the School of Speech

Rufus B. von KleinSmid, A.M., Sc.D., J.D., Ph. et Litt.D., LL.D., Chancellor of the Los Angeles University of International Relations

Carl Sumner Knopf, A.M., B.D., Ph.D., Dean of the School of Religion

Reid Lage McClung, A.B., Ph.D., Dean of the College of Commerce and Business Administration

Paul S. McKibben, B.S., Ph.D., LL.D., Dean of the School of Medicine

Emery Evans Olson, A.M., J.D., Dean of the School of Government

Albert Sydney Raubenheimer, A.M., Ph.D., Dean of the College of Letters, Arts, and Sciences

Lester Burton Rogers, B.S., A.M., Ph.D., Dean of the School of Education and of the Summer Session

Thurston H. Ross, M.B.A., Ph.D., Director of the School of Merchandising and of the Bureau of Business Research

Laird Joseph Stabler, Ph.C., M.S., Sc.D., Dean of the College of Pharmacy

Max van Lewen Swarthout Director of the School of Music

Ernest W. Tiegs, A.M., Ph.D. Dean of University College

R. R. G. Watt, A.M., Ed.D., Acting Director of the University Junior College

Arthur C. Weatherhead, B.Arch., A.M., Dean of the College of Architecture and Fine Arts

MISCELLANEOUS

Arnold Eddy, A.B. General Manager of Associated Students

Clee W. Foster, Office Manager, Operation and Maintenance Office

Lewis Gough, B.S. in Mdsg., Executive Director, General Alumni Association

Willis O. Hunter, A.B. Director of Intercollegiate Athletics

Carl Mann, Ph.D. In charge, Information Office

Harry Silke, B.S. in B.A., M.B.A., Director of Special Foundations

Charles E. Sims, B.S. in C.E. University Engineer

Franklin Skeele, A.B. Director of University News Bureau

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Mulvey Z. White, A.B. Director of Bureau of Employment

THE SCHOOL OF MEDICINE

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President of the University

PAUL S. MCKIBBEN, B.S., Ph.D., LL.D., Sc.D.
Dean of the School of Medicine

HILL HASTINGS, M.D., Emeritus Professor of Surgery (Otology, Rhinology, and Laryngology)

1136 West Sixth Street, Los Angeles.

M.D., University of Virginia Department of Medicine, 1895. Formerly Professor of Otolaryngology, The University of Southern California College of Medicine.

JOHN F. BARNHILL, M.D., LL.D., Honorary Professor of Anatomy

Miami Beach, Florida.

M.D., College of Physicians and Surgeons of Indiana, 1888; LL.D., Indiana University, 1928. Professor of Surgery of the Head, Indiana University School of Medicine.

GEORGE DOCK, M.D. Honorary Professor of Medicine

94 North Madison Avenue, Pasadena.

M.D., University of Pennsylvania School of Medicine, 1894; hon. Sc.D., 1904; hon. A.M., Harvard University, 1895. Assistant in Clinical Pathology, University of Pennsylvania, 1887-88; Professor of Pathology, Texas Medical College and Hospital, 1888-91; Professor of Medicine, University of Michigan Medical School, 1891-1908; School of Medicine, Tulane University, 1908-10; School of Medicine, Washington University, 1910-22.

HARRY J. DEUEL, JR., A.B., Ph.D. Professor of Biochemistry

108 Science Building, University.

A.B., Carleton College, 1918; Ph.D., Yale University, 1923. Instructor in Physiology, Cornell Medical School, 1923-27; Assistant Professor of Physiology, 1927-28; Professor of Physiology, University of Maryland, 1928-29. At The University of Southern California since 1929.

DOUGLAS RICHARD DRURY, A.B., M.D. Professor of Physiology

450 Science Building, University.

A.B., Stanford University, 1918; M.D., Stanford University School of Medicine, 1922. Assistant, Rockefeller Institute, 1922-25; Associate, 1925-29; Associate Physician, Huntington Memorial Hospital, and Assistant in Physiology, Harvard University Medical School, 1929-31. At The University of Southern California since 1931.

ERNEST M. HALL, A.B., M.S., M.D. Professor of Pathology

471 Science Building, University.

A.B., Brigham Young College, 1905; M.S., Washington State College, 1916; M.D., Stanford University School of Medicine, 1925. Instructor in Pathology, Stanford University School of Medicine, 1925; Assistant Professor of Pathology, 1926-28; Acting Associate Professor of Histology, The University of Southern California, 1928-29; Professor of Pathology and Bacteriology, 1929-31; Professor of Pathology, 1931- —.

JOHN F. KESSEL, A.M., Ph.D. Professor of Bacteriology

251 Science Building, University.

A.B., Greenville College, 1919; A.M., University of California, 1921; Ph.D., 1923. Associate in Parasitology, Peking Union Medical College, 1923-28; Associate Professor of Parasitology, University of California at Los Angeles, 1928-29; Associate Professor of Pathology, College of Medical Evangelists, 1928-29; Associate Professor of Bacteriology and Parasitology, The University of Southern California, 1929-31; Professor of Bacteriology, 1931- —.

ROBERT W. LAMSON, A.M., Ph.D., M.D., Professor of Medicine (Preventive Medicine and Public Health)

1930 Wilshire Boulevard, Los Angeles.

B.S., Massachusetts Agricultural College, 1912; A.M., Columbia University, 1917; Ph.D., Harvard University, 1922; M.D., Harvard University Medical School, 1925. Department of Bacteriology and Immunology, Maryland Agricultural College, 1912-14; Assistant, Department of Preventive Medicine and Hygiene, Harvard University, 1919-22; Instructor, Bacteriology and Immunology, Harvard University Medical School, 1923-24; Associate Professor, Bacteriology and Immunology, Preventive Medicine and Hygiene, Baylor Medical School, 1925-26; Associate Professor of Bacteriology, The University of Southern California, 1930-35; Associate Professor of Medicine (Preventive Medicine and Public Health), 1931-35; Professor, 1935- —.

PAUL S. MCKIBBEN, B.S., Ph.D., LL.D., Sc.D., Dean of the School of Medicine and Professor of Anatomy

367 Science Building, University.

B.S., Denison University, 1906; Ph.D., University of Chicago, 1911; LL.D., University of Western Ontario, 1928; Sc.D., Denison University, 1936. Assistant in Anatomy, University of Chicago, 1908-11; Associate in Anatomy, 1911-12; Instructor in Anatomy, 1912-13; Professor of Anatomy, University of Western Ontario Medical School, 1913-27; Dean, 1919-27; Associate Professor and Professor of Anatomy, University of Michigan Medical School, 1927-29. At The University of Southern California since 1929.

LYLE GILLETT MCNEILE, M.D., Professor of Obstetrics and Gynecology

3780 Wilshire Boulevard, Los Angeles.

M.D., University of California Medical School, 1910. Instructor, Assistant Professor, Associate Professor, and Professor of Obstetrics, College of Physicians and Surgeons, The University of Southern California, 1912-20; Professor of Obstetrics, College of Medical Evangelists, 1920-31. At The University of Southern California since 1931.

BURRELL OTTO RAULSTON, A.B., M.D. Professor of Medicine

Room 7906, Los Angeles County Hospital,

A.B., Maryville College, 1909; M.D., Rush Medical College, 1915. Instructor in Pathology, Rush Medical College, 1916-21; Instructor and Assistant Professor of Medicine, 1921-24. At The University of Southern California since 1930.

CHARLES JOSEPH ROWAN, A.B., M.D. Professor of Surgery

Room 7906, Los Angeles County Hospital.

A.B., St. Ignatius College, 1895; M.D., Rush Medical College, 1898. Assistant Professor of Surgery, Rush Medical College, 1906-14; Professor of Surgery, State University of Iowa College of Medicine, 1914-29. At The University of Southern California since 1931.

CLINTON H. THIENES, A.M., M.D., Ph.D., Professor of Pharmacology

842 West Thirty-seventh Street, Los Angeles.

A.B., University of Oregon, 1918; A.M., M.D., University of Oregon Medical School, 1923; Ph.D., Stanford University, 1926. Instructor in Anatomy, University of Oregon Medical School, 1921-22; Instructor in Pharmacology, 1922-24; Fellow in Medicine, National Research Council, Stanford University, 1925-26; Assistant Professor of Pharmacology, University of Oregon Medical School, 1926-29; Associate Professor of Pharmacology, The University of Southern California, 1929-31; Professor, 1931- —.

RUSSELL W. BASSETT, D.D.S., Special Lecturer in Obstetrics (Dental Diseases)

520 West Seventh Street, Los Angeles.

D.D.S., The University of Southern California College of Dentistry, 1923. At The University of Southern California since 1934.

STERLING S. COOK, A.B., M.D., Dr.P.H., Lecturer in Medicine (Public Health and Tropical Medicine)

U.S.S. Pennsylvania.

A.B., Richmond College, 1912; M.D., Medical College of Virginia, 1917; Dr.P.H., School of Hygiene and Public Health, Johns Hopkins University, 1934. Instructor in Preventive Medicine and Tropical Medicine, U. S. Naval Medical School, 1933-36; Lecturer in Tropical Medicine, Georgetown University School of Medicine, 1933-36. At The University of Southern California since 1937.

PROFESSOR HENRI COUTARD, M.D., Visiting Lecturer in Medicine (Radiology)

California Institute of Technology, Pasadena.

Director of the Radium Institute of the University of Paris (Fondation Curie). At The University of Southern California since 1938.

JACOB C. GEIGER, A.B., M.D., Dr.P.H., D.Sc., Lecturer in Medicine (Public Health)

Department of Public Health, San Francisco.

A.B., Tulane University, 1905; M.D., Tulane University School of Medicine, 1912; Dr.P.H., Tulane University, 1917; D.Sc., Louisiana State University, 1935. Assistant Professor of Hygiene, University of California, 1912-16; Professor of Bacteriology, Hooper Foundation, University of California Medical School, 1919-22; Associate Professor of Epidemiology, University of Chicago, 1922-28; Clinical Professor of Epidemiology, University of California Medical School, 1937- —. At The University of Southern California since 1933.

ROLLA G. KARSHNER, B.S., M.D., Special Lecturer in Pediatrics (Roentgenology)

510 South Lucas Avenue, Los Angeles.

B.S., University of Michigan, 1915; M.D., University of Michigan Medical School, 1917. At The University of Southern California since 1931.

WILFRED H. KELLOGG, M.D., Lecturer in Medicine (Public Health)

State Department of Public Health, Berkeley.

M.D., University of California Medical School, 1896. Associate Clinical Professor of Preventive Medicine and Hygiene, University of California Medical School. At The University of Southern California since 1933.

ANDREW STEWART LOBINGIER, A.B., M.D. Lecturer in Surgery

307 West Eighth Street, Los Angeles.

A.B., University of Michigan, 1886; M.D., University of Michigan Medical School, 1889. Professor of Bacteriology and Pathology, Gross Medical College, 1889-92; Professor of Pathology, University of Colorado School of Medicine, 1892-94; Professor of Surgery, 1894-1902. At The University of Southern California since 1931.

KARL F. MEYER, A.B., D.V.M., Ph.D. Lecturer in Medicine (Public Health)

Hooper Foundation, The Medical Center, San Francisco.

A.B., University of Zurich, 1905; D.V.M., 1909; Ph.D., 1924. Director of the Hooper Foundation and Professor of Bacteriology, University of California Medical School, since 1924. At The University of Southern California since 1935.

LOUIS GEORGE REYNOLDS, M.D., Lecturer in Medicine (Public Health)

1052 West Sixth Street, Los Angeles.

M.D., Northwestern University Medical School, 1908. At The University of Southern California since 1934.

ALBERT G. BOWER, M.S., M.D., Clinical Professor of Medicine (Communicable Diseases)

136 North Central Avenue, Glendale.

A.B., Stanford University, 1912; M.S., University of Chicago, 1914; M.D., Rush Medical College, 1916. Assistant in Anatomy, University of Chicago, 1915-16; Instructor in Hygiene and Bacteriology, 1916; Instructor in Medicine, College of Medical Evangelists, 1924-26; Assistant Professor of Medicine, 1926-29; Associate Professor of Medicine, 1929-31; Associate Clinical Professor of Medicine (Communicable Diseases), The University of Southern California, 1931-34; Clinical Professor, 1934- —.

JOHN MACKENZIE BROWN, M.D., Clinical Professor of Surgery (Otology, Rhinology, and Laryngology)

1136 West Sixth Street, Los Angeles.

M.D., University of Western Ontario Medical School, 1899. Instructor in Otolaryngology, Los Angeles Medical Department of the University of California, 1909-15. At The University of Southern California since 1931.

RAY A. CARTER, A.M., M.D., Clinical Professor of Medicine (Radiology)

Los Angeles County Hospital.

A.B., The University of Southern California, 1908; A.M., 1911; M.D., The University of Southern California College of Medicine, 1913. Instructor, Materia Medica, The University of Southern California College of Medicine, 1916-17; Associate Professor of Medicine in Roentgenology, College of Medical Evangelists, 1929-31; Associate Clinical Professor of Medicine (Radiology), The University of Southern California, 1931-37; Clinical Professor, 1937- —.

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M.D., University of Nebraska College of Medicine, 1918; Associate Clinical Professor of Medicine (Radiology), The University of Southern California, 1932-37; Clinical Professor, 1937- —.

HENRY DIETRICH, M.D., Clinical Professor of Medicine (Pediatrics)

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M.D., Rush Medical College, 1898. At The University of Southern California since 1931.

CARL FISHER, B.S., M.D., Clinical Professor of Surgery (Ophthalmology)

1930 Wilshire Boulevard, Los Angeles.

B.S., Carleton College, 1901; M.D., Harvard University Medical School 1905. Associate Professor of Ophthalmology, University of Minnesota Medical School, 1915-17; Associate Clinical Professor of Surgery (Ophthalmology), The University of Southern California, 1931-38; Clinical Professor, 1938- —.

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1930 Wilshire Boulevard, Los Angeles.

B.L., University of California, 1913; M.S., 1914; M.D., Rush Medical College, 1916; Associate Clinical Professor of Medicine (Dermatology), The University of Southern California, 1931-33; Clinical Professor, 1933- —.

VERNE CARLTON HUNT, B.S., M.D., M.S., Clinical Professor of Surgery

727 West Seventh Street, Los Angeles.

B.S., State University of Iowa, 1911; M.D., Rush Medical College, 1913; M.S. (Surgery), University of Minnesota, 1918. Associate Professor of Surgery, Mayo Foundation, Graduate School, University of Minnesota, 1927-30. At The University of Southern California since 1931.

SAMUEL D. INGHAM, M.D., Clinical Professor of Medicine (Neurology)

727 West Seventh Street, Los Angeles.

M.D., Medico-Chirurgical College of Philadelphia, 1899. Instructor in Neurology, Medico-Chirurgical College, 1907-10; Clinical Professor of Nervous and Mental Diseases, Temple University School of Medicine, 1910-20. At The University of Southern California since 1931.

A. RAY IRVINE, B.S., M.D., Clinical Professor of Surgery (Ophthalmology)

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B.S., Utah State Agricultural College, 1898; M.D., Medico-Chirurgical College of Philadelphia, 1906. Associate Clinical Professor of Surgery (Ophthalmology), The University of Southern California, 1931-38; Clinical Professor, 1938- —.

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M.D., Harvard University Medical School, 1898. At The University of Southern California since 1931.

JOSEPH M. KING, M.D. Clinical Professor of Medicine

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M.D., The University of Southern California College of Medicine, 1895. Instructor in Materia Medica, The University of Southern California Medical Department, 1899. Associate Professor, Los Angeles Department of Medicine, University of California, 1901; Professor of Therapeutics, 1904; Lecturer in Medicine, 1907; Professor of Medicine, 1909-11. At The University of Southern California since 1931.

EDWIN D. LOVEJOY, A.B., M.D., Clinical Professor of Medicine (Dermatology)

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B.S., University of California, 1911; M.D., Johns Hopkins University School of Medicine, 1915. Assistant in Medicine, Associate in Medicine, Johns Hopkins University School of Medicine, 1919-21. At The University of Southern California since 1930.

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M.D., The University of Southern California College of Medicine, 1904. At The University of Southern California since 1931.

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Ph.B., Otterbein College, 1892; Ph.M., 1897; A.M., 1905; LL.D., 1909; M.D., Cincinnati College of Medicine and Surgery, 1894. Lecturer, Medical Department, The University of Southern California, 1903-4; Professor of Medicine, 1905-9, 1914-20. At The University of Southern California since 1931.

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A.B., Williams College, 1908; A.M., 1909; M.D., Johns Hopkins University School of Medicine, 1912. At The University of Southern California since 1931.

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523 West Sixth Street, Los Angeles.

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A.B., Stanford University, 1899; M.D., University of Pennsylvania School of Medicine, 1902. Assistant Demonstrator of Gross Morbid Pathology, University of Pennsylvania, 1904-10; Assistant Demonstrator of Anatomy, College of Physicians and Surgeons, The University of Southern California, 1914-16; Associate Professor of Surgery, 1916-20. At The University of Southern California since 1931.

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B.S., Knox College, 1898; M.D., Rush Medical College, 1903. Instructor in Bacteriology, University of Chicago, 1902-3. At The University of Southern California since 1932.

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A.B., Stanford University, 1905; M.D., Columbia University College of Physicians and Surgeons, 1909. At The University of Southern California since 1931.

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M.D., University of Michigan Medical School, 1904. At The University of Southern California since 1931.

CLARENCE GAINES TOLAND, M.D. Clinical Professor of Surgery

1930 Wilshire Boulevard, Los Angeles.

M.D., University Medical College of Kansas City, 1901. Associate Professor of Clinical Surgery, College of Medical Evangelists. At The University of Southern California since 1931.

CLIFFORD B. WALKER, B.S., M.D., A.M., Clinical Professor of Surgery (Ophthalmology)

427 West Fifth Street, Los Angeles.

B.S., University of California, 1906; M.D., Johns Hopkins University, 1911; A.M., 1912. Assistant in Ophthalmology, Harvard University Medical School, 1916-18; Associate Clinical Professor of Ophthalmology, College of Medical Evangelists, 1928; Associate Clinical Professor of Surgery (Ophthalmology), The University of Southern California, 1931-38; Clinical Professor, 1938- —.

HOWARD F. WEST, A.B., M.D. Clinical Professor of Medicine

1930 Wilshire Boulevard, Los Angeles.

A.B., Stanford University, 1912; M.D., Stanford University School of Medicine, 1915. Assistant in Medicine, Harvard University Medical School, 1918-20. At The University of Southern California since 1931.

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A.B., University of California, 1917; M.D., Johns Hopkins University School of Medicine, 1923. At The University of Southern California since 1933.

JOHN F. WHALEN, M.D. Instructor in Medicine

2004 North Lake Avenue, Altadena.

M.D., Jefferson Medical College of Philadelphia, 1927. At The University of Southern California since 1931.

JOHN C. WILCOX, M.D. Instructor in Medicine (Pediatrics)

4614 Sunset Boulevard, Los Angeles.

M.D., Harvard University Medical School, 1934. At The University of Southern California since 1937.

ROBERT L. BELT, M.D. Assistant in Surgery (Proctology)

1930 Wilshire Boulevard, Los Angeles.

M.D., Rush Medical College, 1925. At The University of Southern California since 1938.

JOHN A. BULLIS, A.B., M.D., Assistant in Surgery (Otology, Rhinology, and Laryngology)

727 West Seventh Street, Los Angeles.

A.B., Stanford University, 1928; M.D., Stanford University School of Medicine, 1932. At The University of Southern California since 1936.

KORINE HARTOG CAVELL, A.B., A.M. Assistant in Bacteriology

251 Science Building, University.

A.B., Walla Walla College, 1917; A.M., The University of Southern California, 1932. At The University of Southern California since 1936.

JOSEPH P. FITZGIBBON, A.B., M.D. Assistant in Medicine

Los Angeles County Hospital.

A.B., Creighton University, 1925; M.D., Rush Medical College, 1930. At The University of Southern California since 1934.

JAMES A. GAFFORD, A.B., M.D. Assistant in Gynecology

6118 Santa Fe Avenue, Huntington Park.

A.B., Whittier College, 1926; M.D., Stanford University School of Medicine, 1931. At The University of Southern California since 1933.

SIDNEY R. GARFIELD, M.D. Assistant in Surgery

350 North Alta Vista, Los Angeles.

M.D., State University of Iowa College of Medicine, 1928. At The University of Southern California since 1937.

COLBY HALL, M.D., Assistant in Surgery (Otology, Rhinology, and Laryngology)

1136 West Sixth Street, Los Angeles.

M.D., Washington University School of Medicine, 1927. Instructor in Anatomy, The University of Southern California, 1935; Assistant in Surgery, 1935-—.

GEORGE S. HARRIS, A.B., M.D., Assistant in Obstetrics and Gynecology

Los Angeles County Hospital.

A.B., The University of Southern California, 1932; M.D., The University of Southern California School of Medicine, 1936. At The University of Southern California since 1937.

COLEMAN B. HENDRICKS, A.B., M.D. Assistant in Pathology

Los Angeles County Hospital.

A.B., Vanderbilt University, 1929; B.S. (Pharmacy), The University of Southern California, 1932; M.D., The University of Southern California School of Medicine, 1937. At The University of Southern California since 1937.

GEORGE W. HEWITT, A.B., A.M., M.D., Assistant in Obstetrics and Gynecology

2200 West Third Street, Los Angeles.

A.B., The University of Southern California, 1917; A.M., 1922; M.D., The University of Southern California School of Medicine, 1933. Assistant in Bacteriology, The University of Southern California School of Medicine, 1929-30; Instructor in Brain Anatomy, College of Medical Evangelists, 1930-31. At The University of Southern California since 1934.

PATRICK C. HUMPHREYS, A.B., M.D. Assistant in Medicine

Los Angeles County Hospital.

A.B., The University of Southern California, 1931; M.D., The University of Southern California School of Medicine, 1935. Assistant in Pathology, The University of Southern California, 1936-38; Assistant in Medicine, 1938- —.

S. RODMAN IRVINE, M.D., Assistant in Surgery (Ophthalmology)

727 West Seventh Street, Los Angeles.

M.D., Harvard University Medical School, 1932. At The University of Southern California since 1936.

GEORGE F. KEIPER, A.B., M.D., M.S., Assistant in Surgery (Otology, Rhinology, and Laryngology)

727 West Seventh Street, Los Angeles.

A.B., University of Michigan, 1922; M.D., University of Michigan Medical School, 1925; M.S. (Otolaryngology), University of Pennsylvania School of Medicine, 1930. Assistant in Bacteriology, University of Michigan, 1921-22; Research Assistant in Pharmacology, 1923-24. At The University of Southern California since 1932.

JOHN P. LORDAN, B.S., M.D., Assistant in Surgery (Ophthalmology)

2007 Wilshire Boulevard, Los Angeles.

B.S., Indiana University, 1925; M.D., Indiana University School of Medicine, 1927. At The University of Southern California since 1934.

HELEN E. MARTIN, A.B., M.D. Assistant in Pathology

Los Angeles County Hospital.

A.B., Pomona College, 1927; M.D., The University of Southern California School of Medicine, 1934. At The University of Southern California since 1936.

CARROLL A. MCCOY, A.B., M.D., Assistant in Surgery (Ophthalmology)

510 South Spring Street, Los Angeles.

A.B., George Washington University, 1925; M.D., University of Colorado School of Medicine, 1929. At The University of Southern California since 1932.

SCOTT S. MCCUNE, B.S., M.D. Assistant in Medicine

1930 Wilshire Boulevard, Los Angeles.

B.S., University of Utah, 1928; M.D., Harvard University Medical School, 1932. At The University of Southern California since 1935.

JOHN C. MCDERMOTT, A.B., M.D., Assistant in Obstetrics and Gynecology

1930 Wilshire Boulevard, Los Angeles.

A.B., Stanford University, 1927; M.D., Stanford University School of Medicine, 1931. Assistant Instructor in Obstetrics and Gynecology, Stanford University School of Medicine, 1931-32. At The University of Southern California since 1934.

ALDEN H. MILLER, A.B., M.D., Assistant in Surgery (Otology, Rhinology, and Laryngology)

500 Lucas Avenue, Los Angeles.

A.B., The University of Southern California, 1927; M.D., Rush Medical College, 1932. At The University of Southern California since 1934.

HENRY R. NESBURN, B.S., M.D., Assistant in Surgery (Ophthalmology)

1680 North Vine Street, Hollywood.

B.S., Tufts College, 1927; M.D., Tufts College Medical School, 1931. At The University of Southern California since 1933.

THOMAS J. O'NEILL, M.D., Assistant in Obstetrics and Gynecology

1930 Wilshire Boulevard, Los Angeles.

M.D., St. Louis University School of Medicine, 1929. At The University of Southern California since 1935.

ERNEST W. PAGE, A.B., M.D., Assistant in Obstetrics and Gynecology

Los Angeles County Hospital.

A.B., Stanford University, 1930; M.D., Stanford University School of Medicine, 1934. At The University of Southern California since 1935.

PAUL R. PATEK, A.B. Assistant in Anatomy

358 Science Building, University.

A.B., The University of Southern California, 1931. At The University of Southern California since 1931.

HELEN E. PRESTON, M.D., Assistant in Surgery (Ophthalmology)

1136 West Sixth Street, Los Angeles.

M.D., University of Michigan Medical School, 1930. At The University of Southern California since 1937.

EDWARD K. PRIGGE, A.B., M.D., Assistant in Surgery (Orthopedic)

1136 West Sixth Street, Los Angeles.

A.B., University of California, 1927; M.D., University of California Medical School, 1931. At The University of Southern California since 1933.

MAURICE STERLING PRIVER, A.B., M.D., Assistant in Obstetrics and Gynecology

Los Angeles County Hospital.

A.B., The University of Southern California, 1932; M.D., The University of Southern California School of Medicine, 1936. At The University of Southern California since 1938.

SAUL S. ROBINSON, A.B., M.D., Assistant in Medicine (Dermatology)

1930 Wilshire Boulevard, Los Angeles.

A.B., University of California, 1925; M.D., University of California Medical School, 1929. Assistant, Department of Dermatology and Syphilology, Rush Medical College, 1930. At The University of Southern California since 1934.

GORDON ROSENBLUM, M.D., Assistant in Obstetrics and Gynecology

Los Angeles County Hospital.

M.D., The University of Southern California School of Medicine, 1935. At The University of Southern California since 1938.

HARRY J. SCHNEIDER, M.D. Assistant in Pathology

Los Angeles County Hospital.

M.D., Rush Medical College, 1935. At The University of Southern California since 1937.

MAURICE Z. SILTON, B.S., M.D., Assistant in Obstetrics and Gynecology

3875 Wilshire Boulevard, Los Angeles.

B.S., Harvard College, 1928; M.D., Rush Medical College, 1933. Assistant Instructor in Bacteriology, University of Chicago, 1928-29. At The University of Southern California since 1935.

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1712 North Highland Avenue, Los Angeles.

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SYDNEY N. SOLL, A.B., M.D. Assistant in Pathology

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CHARLES MONTGOMERY STEWART, M.D., Assistant in Surgery (Urology)

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M.D., State University of Iowa College of Medicine, 1933. At The University of Southern California since 1938.

MATTHEW CHAFIN STURDEVANT, A.B., M.D., Assistant in Obstetrics and Gynecology

Los Angeles County Hospital.

A.B., University of Redlands, 1931; M.D., The University of Southern California School of Medicine, 1936. At The University of Southern California since 1938.

HOMER M. WALKER, M.D., Assistant in Surgery (Otology, Rhinology, and Laryngology)

412 West Sixth Street, Los Angeles.

M.D., Kansas City Medical College, 1905. At The University of Southern California since 1936.

AARON NEAL WEBB, B.S., M.D., Assistant in Obstetrics and Gynecology

3780 Wilshire Boulevard, Los Angeles.

B.S., Washington University, 1928; M.D., Washington University School of Medicine, 1928. At The University of Southern California since 1936.

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2007 Wilshire Boulevard, Los Angeles.

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DWIGHT D. YOUNG, A.B., M.D., Assistant in Obstetrics and Gynecology

523 West Sixth Street, Los Angeles.

A.B., Stanford University, 1923; M.D., Columbia University College of Physicians and Surgeons, 1928. At The University of Southern California since 1935.

MILES E. DRAKE, B.S., M.S., Teaching Fellow in Pharmacology

842 West Thirty-seventh Street, Los Angeles.

B.S., Oregon State College, 1933; M.S., 1934. At The University of Southern California since 1938.

WENDELL A. MORGAN, M.D. Fellow in Pathology

Los Angeles County Hospital.

M.D., Harvard University Medical School, 1935. At The University of Southern California since 1938.

SCHOOL OF MEDICINE COMMITTEE OF THE BOARD OF TRUSTEES

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MEDICAL ADVISORY COMMITTEE

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THE SCHOOL OF MEDICINE OF THE UNIVERSITY OF SOUTHERN CALIFORNIA

General Statement

The School of Medicine of The University of Southern California was organized May 2, 1885, and in the spring of 1888 the first class was graduated. In 1908 this school transferred its affiliation to the University of California; and August 11, 1909, the College of Physicians and Surgeons, an organization established in Los Angeles in 1904, became affiliated with The University of Southern California. In 1920, due to inability to secure adequate financial support, this school was discontinued.

In May, 1928, the present School of Medicine was established by the Board of Trustees as an integral part of the University. It was ordered that the School of Medicine be administered by the Board of Trustees, the President of the University, and the all-University committees on Admissions, Curriculum, and Scholarship in the same manner as are the other schools and colleges of the University. The responsibility for appointments to the teaching staff and for the administration of regulations governing the classification of students was vested in an executive committee appointed by the Board of Trustees of the University.

On September 17, 1928, the School of Medicine admitted for instruction a freshman class of fifty-four students. Each subsequent year, with the exception of 1930-31, an additional year's work was offered, until in 1932-33 the complete five-year curriculum was available and the first class graduated. As in the past, the School will continue to limit the enrollment in the freshman class to fifty-four students.

Departments of Instruction

The faculty of the School of Medicine is organized into several departments, as follows, each with an administrative chief: Anatomy (including Histology), Bacteriology, Biochemistry, Medicine (and the medical specialties), Obstetrics and Gynecology, Pathology, Pharmacology, Physiology, and Surgery (including surgical specialties).

Clinical Facilities

Los Angeles, by reason of its situation and size, is an admirable location for a school of medicine. In the Los Angeles County Hospital opportunities for clinical observation and instruction are abundant. The wealth and variety of clinical material available in this institution make it pre-eminently advantageous for student, interne, and resident. The completion of a new building has greatly enlarged the capacity of this hospital, which now contains about 3,410 beds. In addition

to the services usually available in a general hospital, it contains a psychiatric unit and one devoted to contagious diseases. About 49,837 bed patients are cared for annually by this institution, whose out-patient department receives approximately 588,500 visits each year. The Children's Hospital also affords excellent facilities for the study of pediatrics and orthopedics. This is an institution of 180 beds with an out-patient service receiving about 81,346 visits annually.

Library Facilities

The Library of the School of Medicine, although begun only a few years ago, now consists of a good working collection of reference books and journals. At present it is housed in the basement of Bridge Hall, across the street from the Science Building on the University campus. Arrangements are made in order that students may use the facilities of the Library of the Los Angeles County Medical Association.

Admission

Admission Requirements. Admission to the first-year class of the School of Medicine requires the completion of a four-year high school course acceptable for admission to freshman standing in the College of Letters, Arts, and Sciences, and three full years of college work, totaling not fewer than 90 semester units, in a college or university approved by an accrediting agency acceptable to the Association of American Medical Colleges.

All candidates for admission to the School of Medicine are strongly urged to take the Scholastic Aptitude Test for Medical Students prepared by the special Committee of the Association of American Medical Colleges. Information regarding this test may be obtained from the deans of colleges of liberal arts or from the Secretary of the Committee, F. A. Moss, M.D., George Washington University, Washington, D.C.

The collegiate work presented for admission must include the minimum requirements of the Association of American Medical Colleges in general chemistry, organic chemistry, physics, biology, and English. In addition, courses in quantitative analysis, embryology, comparative anatomy, and French or German are required.

Requirements for Admission

The above minimum and additional requirements will be met if the 90 semester units of premedical work presented for admission include the equivalent of the following courses in the premedical curriculum at The University of Southern California. For descriptions of these courses, see the bulletin of the College of Letters, Arts, and Sciences.

		Semester units
Chemistry 2abL.	Inorganic Chemistry and Qualitative Analysis (lectures and laboratory)	8
Chemistry 50aL.	Analytical Chemistry: Introductory Quantitative Analysis, including Volumetric Analysis (lectures and laboratory)	4[1]
Chemistry 122abL.	Organic Chemistry (lectures and laboratory)	8[2]
Zoology 1abL.	General Zoology (lectures and laboratory)	8
Zoology 100L.	Comparative Anatomy of Vertebrates (lectures and laboratory)	4[1]
Zoology 105L.	Embryology (lectures and laboratory)	4[1]
Physics 50abL.	General Physics (lectures and laboratory)	8
English 1ab.	Introductory Course, including Composition	6
French 1ab and 52ab, or German 1ab and 56ab		12

The three-year premedical course offers fully the subject and unit requirements for admission to the School of Medicine. By an appropriate choice of electives in the premedical course it is possible for a student to secure an undergraduate major in either chemistry or biology, the chemistry and biology of the first year of medicine being taken into consideration. The completion of an undergraduate major in the three-year premedical course and the first year of medicine is required of those who seek both the A.B. and M.D. degrees. Students[3] who seek the A.B. degree must meet the lower division and general requirements of the University.

Recommended Three-Year Premedical Course

(Courses described in the bulletin of the College of Letters, Arts, and Sciences)

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[1]A minimum of 3 instead of 4 semester units may be presented, provided such units represent a completed course in the subject described.

[2]A minimum of 6 instead of 8 semester units may be presented, provided such units represent a completed course in the subject described.

[3]See pages 35 and 36 in the bulletin of the College of Letters, Arts, and Sciences.

First Year

	Units 1st Sem.	2nd Sem.
Chemistry 2abL, Inorganic Chemistry and Qualitative Analysis	4	4
English 1ab, Introductory Course	3	3
English 50ab, Readings in English and American Literature	2	2
French 1ab or German 1ab	3	3
General Studies 2, Principles of Learning I	1	0
Mathematics 1ab, Elementary College Mathematics	2	2
[4] Physical Education Activities	1	1
Physical Education 49, Introduction to Health Education	0	1
	16	16

Second Year

[5] American Political Institutions	0	2
Chemistry 50aL, Analytical Chemistry: Introductory Quantitative Analysis	4	0
Fine Arts 58 or Music 91	0	2
French 52ab or German 56ab	3	3
General Studies 1ab, Man and Civilization	4	4
[4] Physical Education Activities	1	1
Zoology 1abL, General Zoology	4	4
	16	16

Third Year

Chemistry 122abL, Organic Chemistry	4	4
General Studies 51, Problems of Human Behavior	0	3
General Studies 52, Problems of Modern Society	3	0
Physics 50abL, General Physics	4	4
Zoology 100L, Comparative Anatomy of Vertebrates	4	0
Zoology 105L, Embryology	0	4
	15	15

Application for Admission. Applications for admission to the School of Medicine should be addressed to the Office of Admissions, The University of Southern California, Los Angeles. These should be received prior to March 1. Credentials supporting the application and all other information called for must be available promptly.

[4] To be selected from courses 2ab to 48ab inclusive.
[5] Either History 77, 2 units, or Political Science 50, 3 units.

Selection of Applicants. A limited number of applicants meeting the requirements for admission to the School of Medicine will be appointed each year to membership in the first-year class, the appointments being based on considerations of scholarship, character, personality, physique, and promise of future value in the medical profession. No applicant will be appointed whose average scholarship in premedical collegiate work is below C, and in general appointments are given only to students with averages of B– or higher in premedical studies. A personal interview is required of all applicants. Applicants will be accepted as soon as possible after requisite information has been received and following the personal interview. The personal interview, if warranted by the quality of the applicant's credentials or desirable for other reasons, will be arranged by the Dean of the School of Medicine after the application has been received and the applicant's credentials evaluated. Early applications are recommended; those received after March 1 cannot be given the same consideration as earlier applications.

Notice of Appointment. Notice of appointment to the first-year class will be sent to successful applicants. Written acceptance of the appointment, accompanied by an acceptance fee of twenty-five dollars, must be received by the Office of Admissions within ten days after notification of appointment.

The fees accompanying acceptances are not refundable, but may be applied as part payment of the tuition fees.

Admission with Advanced Standing. A student from another medical school may be admitted to advanced standing, provided (1) that there is a vacancy in the class; (2) that the applicant's premedical training fully meets the requirements for admission to this school; and (3) that the medical faculty is willing to accept the work done elsewhere as a satisfactory substitute, both in content and quality, for that portion of the curriculum from which he may be excused. Any student applying for admission with advanced standing may be required to qualify by passing a comprehensive examination or examinations in individual subjects. No student may be registered in the fourth year of the medical course who has not successfully completed the third year of the medical course in this school.

Applicants for admission with advanced standing are required to file their applications with the Director of Admissions, who together with the Dean of the School of Medicine will determine whether the requirements have been met.

Scholarship

A student failing in any one subject may be permitted to repeat the work in whole or in part or to take another examination, or both, provided his general average, including the subject in which he failed, is C or above for the entire year.

A student who has failed to maintain an average of C in the required work of any year, but who has passed in all subjects, shall be given an opportunity to demonstrate his fitness for further study of medicine before a committee of the faculty to be appointed by the Dean. In accordance with the recommendation of this committee, the student shall be permitted or denied further registration. In order to avail himself of this opportunity, a student shall make written request therefor, within three days of the time when he is notified of his standing, and the examination shall be held within one week of the filing of his request.

Written or oral quizzes, recitations or examinations are given from time to time in several courses of lectures or clinics but are given in the time regularly assigned to such work and do not interfere with other work in progress.

In the third and fourth years the rating of students in medicine and surgery is determined not only by the final examination, which may include questions concerning subordinate subjects, but any marks given during the progress of any of the major or subordinate subjects or elective courses are taken into consideration in determining the final mark.

In the third and fourth years, the subjects to which the two regulations governing the promotion of students, as stated in the first two paragraphs of this section, will apply are four for the third year and three for the fourth year, namely, the principal subjects indicated as comprising the final examinations.

Subjects of Study

In the first year four subjects are included, a final examination and a mark being given in each subject:

Gross Anatomy
Biochemistry
Histology
Anatomy of the Nervous System

In the second year, final examinations and marks are given in nine subjects:

Bacteriology and Immunology
Clinical Laboratory Methods
Obstetrics
Parasitology
General Pathology
Special Pathology
Pharmacology
Physical Diagnosis
Physiology

In the third and fourth years final examinations are given at the end of each year as follows:

Third Year (4 examinations)

(1) Pathology
(2) Medicine—to include the following:

Dermatology
Neurology
Pediatrics
Public Health
Radiology

(3) Surgery—to include the following:
Anesthesia
Ophthalmology
Orthopedics
Otology, Rhinology, and Laryngology
Urology

(4) Obstetrics and Gynecology

Fourth Year (3 examinations)

(1) Medicine—to include the following:
Dermatology
Neurology
Pediatrics
History of Medicine
Medical Jurisprudence and Economics
Therapeutics

(2) Surgery—to include the following:
Ophthalmology
Orthopedics
Otology, Rhinology, and Laryngology
Urology
Neurosurgery
Oral Surgery

(3) Obstetrics and Gynecology

The Fifth Interne Year

Following the completion of the fourth year, students are required to secure an interneship in a hospital approved for interneship by the Executive Committee. They are required to register for this fifth year, no fee being charged for such registration, and to make such reports from time to time during the progress of the interneship as may be required by the Executive Committee or its representatives. Conferences or examinations may be required of fifth-year students during or at the end of the interne year before recommendation for the degree of Doctor of Medicine. In special cases a year of laboratory work may be substituted for the interne year.

Degrees

The Degree of Doctor of Medicine. The five-year course in the School of Medicine leads to the degree of Doctor of Medicine (M.D.). The fifth year must be spent in practical medical work under competent supervision. The degree is not conferred until after the satisfactory completion of this requirement.

The Degree of Bachelor of Arts. A student may receive the degree of A.B. at the end of the first year in the School of Medicine, if he has met the admission requirements for that

degree; has completed, in the College of Letters, Arts, and Sciences, 94 units with ninety-four grade points computed on those units, of which at least 28 units have been completed at The University of Southern California, and has included the lower division and *general requirements and the requirements for admission to the School of Medicine; and has completed the prescribed work (32 units) of the first year for the degree of M.D. For the undergraduate degree, the student must present a specified number of required and elective units and at least an equal number of grade points computed on these units.

If the student has met all subject requirements, but enters the School of Medicine with a minimum of 90 units, with at least an equal number of grade points computed on these units, he may substitute units in the fundamental sciences of the second year of medicine for the units he is lacking in the College of Letters, Arts, and Sciences.

The Degrees of Master of Arts and Doctor of Philosophy. Most of the courses included in the curriculum of the first two years of the medical course are accepted by the Council on Graduate Study and Research for graduate credit. Properly qualified individuals may pursue special work in the preclinical departments leading to the master's and doctor's degrees.

Fees and Expenses

†Tuition for college year (including acceptance fee).... $400.00

This fee may be paid at time of registration at the beginning of the first semester or in two installments of $200; one at the beginning of the first semester, the second at the beginning of the second semester.

Registration fee, per semester (required of all students and not refundable)..... 11.00

Library fee, per semester..... 5.00

‡Deposits:

First year—

Histology 10.00

Biochemistry 10.00

Second year—

Bacteriology and Pathology..... 10.00

Physiology and Pharmacology..... 10.00

*The general requirements, with the exception of the two units of United States Constitution or its equivalent, will not be required of transferring premedical students who enter the University at the beginning of their fourth year.

†Students discontinuing their work at any time during the first semester will be charged a tuition fee of $200. If they have paid the tuition fee of $400 for the whole year they may receive a refund of $200. No refunds of tuition are available for students discontinuing their work during any part of the second semester.

‡At the end of the year, after the cost of equipment broken is deducted, the balance is refunded.

Late registration $10.00
This fee is charged if tuition and fees are not paid before the first day of instruction. Registration must be completed on the days appointed for the registration of each class. No student will be permitted to register later than the last day of the first week of instruction.

Diploma fee 10.00

Special examinations. A fee of three dollars is charged for each of the following special examinations:
1. Examinations for credit on work for which special credentials cannot be supplied.
2. Examinations to make up grades of Ie.
3. Examinations given outside regular examination schedule.

County Hospital fee ..... $2.50 to 5.00
Clinical Obstetrics fee 10.00

The University reserves the right to change without notice any of the rates printed in this bulletin.

Each student is required at the beginning of the course to provide himself with a satisfactory microscope. It is recommended that the purchase of the microscope be deferred until after consultation with a member of the faculty.

Board and room are provided in the Residence Halls at the lowest reasonable cost. A limited number of men in the professional schools can be accommodated in Aeneas Hall. Rooms are engaged by the semester and cannot be vacated within that time. The cost per semester, of room and board six days a week in Aeneas Hall, is from $180 to $195 for a single room and from $155 to $170 for a double room. Fees are payable by the semester, and a deposit of $10 (not refundable) must accompany application for rooms. This deposit is deducted from the amount payable at registration. Students residing in the dormitory must make a breakage deposit of $10.00. After the cost of damages is deducted, the balance is refunded at the end of the year.

All inquiries concerning fees and accommodations at Aeneas Hall and the requests for reservations should be addressed to the Manager of Aeneas Hall, 837 West Thirty-sixth Place.

Room and board may be obtained in private homes at a cost ranging from $35 to $50 per month.

COURSES OF INSTRUCTION IN MEDICINE

Place, Unit Value, and Semester Designations

The symbols for place designations here used should be interpreted as follows: U.P. *indicates that the course is offered on the University Park Campus;* Co. H., *at the Los Angeles County Hospital.*

The unit value for each course is indicated for each semester by a numeral in parentheses following the hour designation.

The symbol I *indicates first semester of the academic year;* II, *second semester;* I, II, *both first and second semesters; and* I-II, *throughout the year.*

*Course numbers preceded by the symbol * are available for graduate credit.*

Department of Anatomy

Honorary Professor: Barnhill
Professor: McKibben (Head of Department)
Associate Professors: MacCallum, Mellinger
Instructors: Bartosh, Fulton, MacColl, Snow
Assistant: Patek

FIRST YEAR

***300ab. Gross Human Anatomy.** A complete dissection of the human body. Occasional lectures and recitations. At the beginning of the course several lectures are given introductory to the work in the dissecting room.

The bones and gross sections of the body are studied in connection with the dissection of each region.

When the dissection of the abdomen begins, the development of the human body with special reference to the circulatory, respiratory, gastrointestinal, and genitourinary systems is considered.

The dissection is divided into the following parts:

(1) Dissection of the upper extremity.
(2) Dissection of the lower extremity.
(3) Dissection of the abdomen.
(4) Dissection of the thorax.
(5) Dissection of the head, neck, and back.

Examinations are given immediately on the completion of each part, and a general examination covering the gross anatomy of the whole body concludes the course.

U.P. (500 hrs.) (7-7) I-II. McKibben and Staff

***310. Human Histology.** A study of certain elements of cytology, histology, and organology. It covers in a general way all tissues and organs of the body, but special emphasis is placed on the study of the circulatory, respiratory, alimentary, genitourinary, and endocrine systems. The development of certain organs is considered, and frequent use is made of fresh

tissues. Lectures, demonstrations, and recitations are given as required.

U.P. (168 hrs.) (5) I. MacCallum and Staff

***320. Anatomy of the Nervous System.** A course given in conjunction with the dissection of the head and neck. A detailed study of the spinal cord is first undertaken. This is followed by the dissection of the brain of the sheep and the dissection of the human brain. A study of microscopic sections of the brain stem and the cerebral cortex follows the dissection of the human brain; and the connections of the more important conduction pathways within the central nervous system are dealt with, as well as the structure and connections of the organs of special sense. Functional relationships are stressed rather than morphological detail. Lectures and demonstrations are given as required.

U.P. (112 hrs.) (4) II. McKibben, MacCallum, and Staff

GRADUATE COURSE

280ab. Research in Anatomy. Materials and equipment are available for investigation by those properly qualified.

U.P. (2-6—2-6) I-II. McKibben, MacCallum

Department of Biochemistry

Professor: Deuel (Head of Department)
Assistant Professor: Butts

FIRST YEAR

***340ab. Biochemistry.** A consideration of the physical chemical basis of life processes and the chemical composition of the tissues and secretions, with special attention to the metabolism of the human body

U.P. (88 hrs.) (3) I—(168 hrs.) (6) II. Deuel and Staff

GRADUATE COURSES

200L. Biochemistry. (Advanced.) Individual and group instruction for students who have had an elementary course equivalent to 340ab. A knowledge of physiology and organic chemistry is also requisite. A laboratory course including the separation, purification, and identification of various products of biochemical interest.

U.P. (2-4) I, II. Deuel and Staff

240ab. Seminar in Biochemistry. Students are required to prepare abstracts of papers appearing in English, German, and French biochemical literature; these are discussed in connection with recent advances in biochemistry and physiology. Open to students having a comprehensive knowledge of biochemistry.

U P. (2-2) I-II. Deuel and Staff

282ab. Research in Biochemistry. Open to graduate students properly qualified in biochemistry and physiology. Hours to be arranged.

U.P. (2-6—2-6) I-II. Deuel and Staff

Department of Physiology

Professor: Drury (Head of Department)
Assistant Professor: Greeley

SECOND YEAR

***400. Physiology.** Lecture, library, and laboratory work in the mechanics of living matter, with special reference to man. The activities of tissues as systems for integrated action in the interests of the body as a whole will be presented in detail.

U.P. (256 hrs.) (7) I. Drury and Staff

GRADUATE COURSES

250ab. Seminar in Physiology and Pharmacology. Offered jointly by the staffs in Physiology and Pharmacology. Students are required to prepare abstracts of papers appearing in English, German, and French physiological and pharmacological literature. Open to properly qualified students.

U.P. (2-2) I-II. Drury, Thienes

274L. Quantitative Physiology. The standard quantitative procedures used in functional pathology, including methods for studying general and special metabolism and the circulatory, respiratory, and renal systems. Open to advanced students in physiology.

U.P. (2-4) I, II. Drury and Staff

284ab. Research in Physiology. Properly qualified students will be permitted to engage in investigation. Hours and credits to be arranged.

U.P. (2-6—2-6) I-II. Drury and Staff

Department of Pharmacology

Professor: Thienes (Head of Department)
Teaching Fellow: Drake

SECOND YEAR

***410. Pharmacology and Toxicology.** Experiments and discussions dealing with the actions, chemical nature, sources, official preparations, and dosage of such drugs and poisons as are of importance in the practice of medicine.

U.P. (200 hrs.) (5) II. Thienes and Staff

GRADUATE COURSES

230. Seminar in Applied Pharmacology. Students will prepare reports on recent experimental and clinical developments in chemical therapeutics. For properly qualified students.

U.P. (2) I, II. Thienes and Staff

250ab. Seminar in Physiology and Pharmacology. Offered jointly by the staffs in Physiology and Pharmacology. Students are required to prepare abstracts of papers appearing in English, German, and French physiological and pharmacological literature. Open to properly qualified students.

U.P. (2-2) I-II. Thienes, Drury

276L. Advanced Toxicology. Discussion of etiology, symptoms, pathology, diagnosis, and treatment of poisoning; laboratory exercises on the isolation and identification of important toxic substances from tissues and body fluids. For properly qualified students.

U.P. (2) I, II. Thienes and Staff

286ab. Research in Pharmacology. Properly qualified students will be permitted to engage in investigation. Hours and credits to be arranged.

U.P. (2-6—2-6) I-II. Thienes and Staff

Department of Pathology

Professor: Hall (Head of Department)
Associate Professors: Butt, Foord
Assistant Professor: Wright
Instructor: Tragerman
Assistants: Hendricks, Schneider, Soll
Fellow: Morgan

SECOND YEAR

***450a. General Pathology.** Lectures and laboratory work dealing with the fundamental disease processes, including disturbances of the circulation, degenerative and proliferative cellular reactions. Inflammation and tissue repair are considered in detail.

U.P. (144 hrs.) (6) I. Hall and Staff

***450b. Pathology of Tumors.** A continuation of 450a. Lectures and laboratory exercises considering the biology, gross and microscopic pathology of benign and malignant tumors common to the various systems and organs. A loan set of microscopic preparations is furnished each student.

U.P. (35 hrs.) (2) II. Hall and Staff

Special Pathology

***451. Pathology of the Infectious Diseases.** The acute bacterial infections, the virus diseases, and the infectious

granulomata are considered. A demonstration of gross autopsy material is held each week.

U.P. (35 hrs.) (2) II. Hall and Staff

THIRD YEAR

550. Pathology of Chronic Diseases. A consideration of the more chronic diseases of the blood vessels, kidneys, liver, and gastrointestinal tract. The pathology of the endocrine glands is an important part of the course. A conference and diagnostic exercise on gross autopsy material is held each week.

Co. H. (64 hrs.) I. Butt, Hall, and Staff

FOURTH YEAR

Clinical Pathological Conference. Once a week throughout the year.

Co. H. (32 hrs.). Hall and Staff

GRADUATE COURSES

270ab. Seminar in Pathology. Current literature in the field of pathology embracing the important journals in English, German, and French are abstracted and discussed. Important advances in the field are considered. Primarily for the staff, but open to a limited number of advanced students.

Co. H. (2-2) I-II. Hall and Staff

290ab. Research in Pathology. Open to properly qualified students who have completed courses 450ab and 451.

U.P. (2-6—2-6) I-II. Hall and Staff

Department of Bacteriology

Professor: Kessel (Head of Department)
Associate Professor: Hoyt
Instructors: Arthur, Fisk, Stimpert, Tracy
Assistant: Cavell

SECOND YEAR

***440. Bacteriology.** The bacteria, rickettsiae, spirochetes, and filterable viruses which serve as etiologic agents in human disease are studied with reference to their morphologic and physiologic characteristics, their epidemiologic relationship and their pathogenicity in man and animals. Courses 440 and 441 are given in combination.

U.P. (112 hrs.) (4) I. Kessel, Hoyt, and Staff

***441. Serology and Immunology.** A basic course emphasizing the principles underlying infection and resistance. The student is required to familiarize himself with the practical laboratory procedures based on these phenomena.

U.P. (56 hrs.) (2) I. Hoyt, Kessel, and Staff

***442. Medical Parasitology and Mycology.** The protozoa, helminths, and insects important as the causes and vectors of disease are studied, special emphasis being placed on the laboratory diagnosis and clinical manifestations of the parasitic diseases most commonly encountered in this region. One portion of the course is devoted to the special consideration of the pathogenic fungi, many of which are endemic in California.
U.P. (112 hrs.) (3) II. Kessel and Staff

GRADUATE COURSES

260ab. Seminar in Microbiology. Reports and discussions on recent advances in bacteriology, mycology, parasitology, or serology. Open to qualified students and physicians.
U.P. (2-2) I-II. Kessel and Staff

272. Filterable Viruses. Lectures, conferences, and laboratory work on the viruses responsible for diseases of plants, animals, and man. Open to properly qualified students.
U.P. (2) II. Hoyt, Fisk

288abL. Research in Bacteriology and Parasitology.
U.P. (2-6—2-6) I-II. Kessel and Staff

Department of Medicine

Honorary Professor: Dock
Professor: Raulston (Head of Department)
Clinical Professors: Bower, King, Mason, Pottenger, Smith, Stone, West
Associate Clinical Professors: Anderson, Berman, Cunningham, Keeney, Kristensen, Lacey, Leake, Nathanson, Ruddock, Shelton, Strouse, Thomas, Ware, Webster
Assistant Professors: Noble, Roberts
Assistant Clinical Professors: Askey, Beckett, Bennett, Bittner, Coffin, Hamilon, Hare, Hoffman, Houck, Kahn, Martin, Nevius, Otto, Sampson, Shambaugh, Van Scoyoc, Vener
Instructors: Armen, Bosworth, Brown, Bullock, Burns, Cates, Crane, Cummings, Cunnane, Davison, Dennis, Donelan, Dougherty, Duvall, Evans, Francis, Goodman, Grishaw, Kay, Kellogg, Marxer, McClelland, Meals, Miller, Murray, Nelson, Pottenger, Prinzmetal, Rapaport, Reding, Renshaw, Reynolds, Rosove, Scoins, Smart, Whalen
Assistants: Fitzgibbon, Humphreys, Martin, McCune

Dermatology

Clinical Professors: Frost, Lovejoy
Associate Clinical Professors: Campbell, Chambers, Wilhelm
Instructors: Anderson, Halloran, Scholtz
Assistant: Robinson

Experimental Medicine

Associate Professor: Bonynge
Instructor: Townsend

Neurology

Clinical Professor: Ingham
Associate Clinical Professors: Carter, Nielsen, Ziskind
Instructor: Von Hagen

Pediatrics

Clinical Professors: Dietrich, Stork
Lecturer: Karshner
Associate Clinical Professors: Berkley, Fish, Happ, Reiss, Rothman
Assistant Clinical Professor: Laton
Instructors: Cooder, Dietrich, Earle, Harrison, Nixon, Pettet, Shelby, Wilcox

Public Health and Preventive Medicine

Professor: Lamson
Lecturers: Cook, Geiger, Kellogg, Meyer, Reynolds
Instructor: Bacon

Radiology

Clinical Professors: Carter, Davis
Visiting Lecturer: Coutard
Assistant Clinical Professors: Bailey, Costolow, Johnson
Instructor: Mershon

SECOND YEAR

480. Physical Diagnosis. Demonstrations and practice in the methods of physical diagnosis. An attempt is made to have the student recognize average normal and, as far as possible, contrast these with abnormal conditions. During the last four weeks of the course students are assigned to wards in the hospital for practice in history writing and physical examination of patients. Complete records are submitted by each student to his instructor for correction and discussion.
Co. H. (96 hrs.) (2) II. Anderson and Staff

482. Clinical Laboratory Methods. Practice in the use of methods necessary for routine clinical work. The student makes examinations of urine, gastric contents, feces, sputum, blood, and cerebro-spinal fluid.
U.P. (96 hrs.) (3) II. Foord and Assistants

Neurology. Lectures, review of anatomy and physiology as related to the central nervous system, followed by introduction to pathological variations.
(16 hrs.) I. Ingham, Nielsen

THIRD YEAR

580ab. Third Year Medicine.
Co. H. (803 hrs.).

Ward Work in General Medicine. (Medical Clerkship.) Work begins immediately after the end of the second year. Each student spends half of the summer between the second and third years, approximately eight weeks, in the wards of the medical service in the Los Angeles County Hospital. All new patients entering these wards are assigned to the clinical clerks for a complete work-up, history, physical examination,

and routine laboratory work. The clerk's record constitutes a part of the permanent hospital chart of the patient. There are no formal or set exercises during this period.
(280 hrs.).

During the first semester of the third year the entire class is assigned to the medical wards of the Los Angeles County Hospital for clinical clerkship. The work is a continuation of that done during the preceding summer, with the addition of four bedside conferences for each group of six to eight students each week. These exercises are under the direction of the senior attending physician on the ward, but the record of the patient under consideration is always presented by the student responsible for that patient.
(204 hrs.) I.

In the second semester the class is divided into two groups, each of which spends half of the semester in the medical wards. Groups of six students are assigned weekly to special problems in clinical medicine. They study groups of patients with diseases that involve predominantly certain systems of the body, and are required to report upon the patients studied and the literature dealing with the subject in question.
(80 hrs.) II.

Askey, Hare, Hoffman, Kahn, Keeney, Leake, Martin, Noble, Raulston, Ruddock, Shambaugh, Thomas, Ware, Webster, West

***Clinic in General Medicine.**
(32 hrs.) I-II. Mason

Pediatrics. Lectures dealing with growth and development, infant feeding, disease of the newborn, and contagion.
(32 hrs.) I-II. Dietrich, Happ, Reiss, Rothman

The class is divided into groups of about eight students for ward demonstrations of the management of the newborn and of contagious diseases.
(4 hrs.) II. Rothman, Reiss

Dermatology. Lectures and demonstrations.
(16 hrs.) II. Anderson

Psychiatry. Lectures and presentation of patients in clinic.
(16 hrs.) II. Ingham

Clinical-Radiological Conference. Diagnosis and radiotherapy.
(16 hrs.) I-II. Carter, Costolow

*Attended by students of the third and fourth year classes.

Radiology. Lectures with demonstration of films and lantern slides.
(11 hrs.) I. Davis

Clerkship in Neurology. Wards for disease of the central nervous system. 8:30 to 11:15 daily for four weeks (included in Medical Clerkship).
Ingham, Nielsen, and Staff

Therapeutics.
(32 hrs.) I. Roberts

Tuberculosis. Set clinic on pulmonary tuberculosis.
(16 hrs.) II. Bennett, Cunningham, Pottenger

In the second semester, two weeks of the clinical clerkship are spent on wards for tuberculosis patients.
Bittner, Bosworth, Miller, Smart

Conferences on Special Topics in Internal Medicine.
(48 hrs.) I-II.
Berman, Leake, Noble, Raulston, Ware, Webster, West

Public Health and Preventive Medicine

Lectures on Preventive Medicine and Public Health.
(32 hrs.) I-II.

Survey of Some Practical Problem Connected with Preventive Medicine or Public Health. To be completed during either third or fourth year.
(About 96 hrs.). Lamson

FOURTH YEAR

680ab. Fourth Year Medicine.
Co. H. (679 hrs.).

Out-patient Service, General Medicine. During the summer vacation students who have completed the third year begin work in the out-patient department. The class is divided into sections, each section being on duty for a portion of the summer.
(80 hrs.).

One third of the class during each clinical period. The group is subdivided for forenoon work in out-patient departments for tuberculosis, heart disease, neurology, allergy, and syphilis: Four mornings, 9:30 to 11:15. The entire group spends five afternoons per week, 1:00 to 5:00, in the out-patient department in general medicine.
(240 hrs.—one clinical period).
Cates, Houck, Raulston, Roberts, Sampson

***Clinic in General Medicine.**
(32 hrs.) I-II. Mason

Clinical Pediatrics. The entire class will spend Wednesday morning at the Children's Hospital. Two hours will be devoted to a clinic in pediatrics where students previously assigned will present patients.
(64 hrs.) I-II. Dietrich, Rothman, and Staff

Contagious Diseases. One third of the class will spend three hours a week in ward rounds and demonstrations during the clinical period.
(33 hrs.). Bower and Staff

Neurology. The section attending the medical out-patient service will spend two mornings a week in Neurology Clinic.
(48 hrs.). Ingham, Neilsen, and Staff

Dermatology. Out-patient service during one clinical period.
(36 hrs.). Frost, Chambers, and Staff

Syphilis. Groups of five to eight students in out-patient clinic for diagnosis and treatment of syphilis.
(60 hrs.).

Psychiatry. Clerkship on psychiatric wards.
(60 hrs.). Ingham, Carter

Medical Jurisprudence and Economics. Six lectures.
(6 hrs.).

Dietetics. Groups of eight students will spend four hours a week for five weeks on the subject of dietetics. Lectures and practical experience. Each student is required to weigh his diet and make an accurate detailed report covering a period of one week.
(20 hrs.).

Elective Courses

Diseases of the Gastrointestinal Tract. An intensive study for a small group. Second or third clinical period.

Neuropsychiatry. Ward and out-patient work.

Syphilis. By the staff in dermatology with special reference to treatment.

Pediatrics. Out-patient work.

*Attended by students of the third and fourth year classes.

Department of Surgery

Professor: Rowan (Head of Department)
Lecturer: Lobingier
Clinical Professors: Hunt, Kahn, Moore, Shoemaker, Sturgeon, Toland
Associate Professor: Berne
Associate Clinical Professors: Bayley, Chaffin, Dodge, Murrieta, Schiffbauer, Sherry
Assistant Clinical Professors: Cunnane, Kiskadden, Larson, Norris, Olch, Sebastian, Upshaw
Instructors: Askey, Chipman, Cooper, Flamson, Henry, Hillyard, Johnson, Kroger, O'Neill, Paine, Pallette, Reed, Schmoele, Snyder, Totten, Vinetz
Assistants: Belt, Garfield

Anesthesia

Associate Clinical Professor: Guedel
Instructor: Heissig

Neurological Surgery

Clinical Professor: Rand
Assistant Clinical Professors: Adelstein, Patterson
Instructor: Raney

Ophthalmology

Clinical Professors: Fisher, Irvine, Walker
Associate Clinical Professors: Dow, LaMotte
Instructors: Cady, Endres, Kinney, Miller
Assistants: Irvine, Lordan, McCoy, Nesburn, Preston, Weeks

Oral Surgery

Associate Clinical Professors: McCoy, Tholen
Instructor: Balyeat

Orthopedic Surgery

Clinical Professor: Wilson
Associate Clinical Professor: Dunlop
Assistant Clinical Professors: Stewart, Thurber
Instructors: Mathews, McKeever, McMaster, Meade, Plimpton, Shelton, Stephens, Thompson, Walker
Assistant: Prigge

Otology, Rhinology, Laryngology

Emeritus Professor: Hastings
Clinical Professor: Brown
Associate Clinical Professors: Detling, Jesberg, Lewis, Linthicum, Viole
Instructor: Bowman
Assistants: Bullis, Hall, Keiper, Miller, Walker

Urology

Associate Clinical Professors: Crane, Ferrier, Hager, Scholl, Wright
Assistant Clinical Professors: Fieseler, Rusche
Instructors: Bacon, Bennetts, Craig, Farman
Assistants: Silver, Stewart

THIRD YEAR

500ab. Third Year Surgery.
Co. H. (261 hrs.).

Principles of Surgery. A conference course on the principles of surgery. Three hours each week during the first semester of the third year.
(48 hrs.) I. Berne

Clinic in General Surgery. Demonstration clinics are held for one hour each week during the third year. These are clinics in which special attention will be given to direct and differential diagnosis and indications for treatment.
(32 hrs.) I-II. Rowan and Staff

Dispensary Clinics. The class is divided into sections and for one half of the second semester work in minor surgery in the Out-patient Department for two hours three days each week.
(48 hrs.). Rowan and Staff

Emergency Surgery. Groups of three or four students attend the service of the Los Angeles Receiving Hospital for periods of one week during the second semester.
(15 hrs.). Dodge and Sebastian

Urology. Conference course for one hour each week during the second semester.
(16 hrs.). Wright

The class divided in sections spends two hours each week for one half of the second semester in clinical work in urology.
(16 hrs.). Ferrier, Hager, Crane, Craig

Bone and Joint Surgery. Clinical conference course two hours each week during the second semester.
(32 hrs.). Wilson and Staff

Ophthalmology. Conference course on the commoner diseases of the eye, one hour each week during the second semester.
(16 hrs.). Staff

Otologoy, Rhinology, and Laryngology. Conference course one hour each week during the second semester.
(16 hrs.). Brown and Staff

Anesthesia. Conference course each week for six weeks during the second semester.
(6 hrs.). Guedel

Proctology. Conference course one hour each week for six weeks during the second semester.
(6 hrs.). Murrieta

Clinical conference course in which students spend four hours in diagnostic clinic in small groups.
(4 hrs.). Murrieta

Neurological Surgery. Conference course one hour each week for six weeks during the second semester.
(6 hrs.). Patterson and Adelstein

FOURTH YEAR

600ab. Fourth Year Surgery.
Co. H. (399 hrs.).

Ward Work in Surgery (Surgical Clerkship). One third of the class is divided into two sections, these students serving as clinical clerks in the surgical wards during one clinical period of eleven weeks. Members of the staff will make ward rounds with each section for two hours four days each week. During this period the students will give anesthetics under supervision.
(176 hrs.). Bayley, Rowan, Sherry, Shoemaker, Sturgeon

Demonstration Clinic in Surgery. One hour each week throughout the year. Includes clinics in neurosurgery, proctology, chest surgery, orthopedic surgery, and oral surgery.
(32 hrs.). Rowan and Staff

Orthopedic Surgery. A clinical conference course is given to the entire class for two hours a week for thirteen weeks during the fourth year.
(26 hrs.). Wilson and Staff

Urology. Conferences and ward rounds during one clinical period.
(12 hrs.). Crane

Ophthalmology. Clinical conference for two hours twice each week to small groups during one clinical period.
(22 hrs.). Staff

Otology, Rhinology, and Laryngology. Clinical conference course two hours each week to small groups during one clinical period.
(22 hrs.). Brown and Staff

Surgical Pathology. Each section of the surgical clerkship group meets for two hours once each week during the clerkship period.
(22 hrs.). McMaster

Lectures in Surgery. Conference course on abdominal surgery one hour each week during the year.
(32 hrs.).

Emergency Surgery. Each section of the surgical clerkship group meets for five hours one night each week during the clerkship period at the County Hospital.
(55 hrs.). Berne

Chest. (Included in Surgical Clerkship.)
Schiffbauer

Fractures. (Included in Surgical Clerkship.)
Wilson and Staff

Neurological Surgery. (Included in Surgical Clerkship and demonstration clinic.)
Rand

Oral Surgery. (Included in Surgical Clerkship.)
Tholen and Staff

Elective Courses

Ophthalmology. Training in refraction, and practical instruction in diagnosis and treatment of the eye in the Out-patient Department.
(Third clinical period.)

Otology, Rhinology, and Laryngology. Out-patient work.

Department of Obstetrics and Gynecology

Professor: McNeile (Head of Department)
Lecturer: Bassett
Clinical Professor Shaw (Gynecology)
Acting Associate Professor: Tollefson
Associate Clinical Professors: Hanley, Krahulik, McKee
Assistant Clinical Professors: Alward, Marshall, McBurney, Pierce
Instructors: Baldwin, Drane, Fagan, Henriksen (Gynecology), Krohn, McCarthy, McCausland, Reynolds, Rogers, Spencer, Stilwell
Assistants: Gafford (Gynecology), Harris, Hewitt, McDermott, O'Neill, Page, Priver, Rosenblum, Silton, Sturdevant, Webb, Young

The work in obstetrics and gynecology consists of recitations, conferences, clinical lectures, ward rounds, prenatal and postpartum clinics, attendance upon cases in labor, and manikin practice. All work is supervised by a member of the staff.

SECOND YEAR

420. Introduction to Obstetrics and Gynecology. The female pelvis and genitalia, puberty and menstruation, reproduction, developmental anomalies, anatomy, physiology and diagnosis of pregnancy.
U.P. (16 hrs.) (1) II.

THIRD YEAR

520ab. Third Year Obstetrics and Gynecology.
Co. H. (94 hrs.).

Physiology of labor and the puerperium; management of normal pregnancy, labor and the puerperium.
(16 hrs.) I.

Pathology of pregnancy, labor and the puerperium; obstetrical operations.
(16 hrs.) II.

Principles of Gynecology. A conference course on the principles of gynecology. One hour each week.
(32 hrs.) I-II. Shaw and Staff

Diagnostic Clinic in Gynecology. The examination of patients, under anesthesia. Limited to groups of three students.
(6 hrs.). Shaw and Staff

Manikin Practice. Under the supervision of an instructor each student is required to perform each of the various obstetrical procedures upon the manikin. Thorough instruction in the mechanism of labor, a quiz upon operative obstetrics, and the diagnosis and treatment of all complications of labor, are included in this course. For groups of six students, six demonstrations of two hours each.
(12 hrs.) II.

Obstetrical and Gynecological Pathology. Lecture and demonstration of gross and microscopic anatomy. Limited to six students, twelve hours.
(12 hrs.) II.

FOURTH YEAR

620ab. Fourth Year Obstetrics and Gynecology.
Co. H. (332 hrs.).

Pathology of pregnancy, labor and the puerperium; obstetrical operations.
(16 hrs.).

Clinical and Operative Obstetrics. Presentation of pathological and operative cases, and demonstrations of obstetrical operations upon the manikin.
(16 hrs.).

Conference Course in Obstetrics and Gynecology. Recitation and quiz on obstetrics and gynecology. A general review.
(20 hrs.).

Clinical Obstetrics. The bloc system is used in this Department. Sections limited to twelve students are assigned to Clinical Obstetrics for four weeks during the summer vacation period between the third and fourth years.
(280 hrs.).

During this period their entire time is devoted to obstetrics, as follows:

Maternity Service. An out-patient obstetrical dispensary which annually conducts 1800 deliveries and averages 12,000 dispensary visits for prenatal or postpartum care. Each student attends prenatal and postpartum clinics, personally examining a large number of cases, and conducts from ten to fifteen labors. All dispensary work and student deliveries are done under the immediate supervision of a teaching obstetrician. For groups of four students for a period of two weeks.

Los Angeles County Hospital. Eight students spend two weeks in residence in the Obstetrical Department of this Hospital. Intensive training is given in prenatal and postpartum care, and the conduct of labor. During his service the student witnesses all normal and operative deliveries (not less than 100), makes daily ward rounds with a member of the teaching staff, serves as clinical clerk on the ward, attends weekly obstetrical conferences conducted by the staff.

Ward Work in Gynecology. Students act as clinical clerks in the wards of the Los Angeles County Hospital, and under the direction of the staff will follow the preoperative, operative, and postoperative care of gynecological cases. Ward rounds with the staff are made three times each week. Limited to groups of eight students, serving for four weeks during the obstetrical clinical period.

Dispensary Clinics in Gynecology. Conference in practical gynecology, given in connection with the "Ward Work in Gynecology" in the Out-Patient Gynecological Department of the Los Angeles County Hospital.

SCHOOL OF MEDICINE

Summary of Hours

1938-39

	First Year	Second Year	Third Year	Fourth Year	Total
Anatomy—Gross	500	.....	.....	.....	500
Histology	168	.....	.....	.....	168
Nervous System	112	.....	.....	.....	112
Biochemistry	256	.....	.....	.....	256
Physiology	.....	256	.....	.....	256
Pharmacology	.....	200	.....	.....	200
Pathology	.....	214	64	32	310
Bacteriology	.....	112	.....	.....	112
Immunology	.....	56	.....	.....	56
Parasitology	.....	112	.....	.....	112
Public Health	.....	.....	80	48	128
Medicine—including: Pediatrics, Dermatology, Radiology, Neuropsychiatry	.....	192	803	679	1,674
Surgery—including: Orthopedics, Urology, Ophthalmology, Otology, Rhinology, and Laryngology, Neurosurgery, Oral Surgery	.....	.....	261	399	660
Obstetrics and Gynecology	.....	16	94	*332	*442
Electives	.....	.....	.....	†176	.....
	1,036	1,158	1,302	1,490	4,986

*Includes Clinical Obstetrics.
†Not included in total.

SCHOOL OF MEDICINE
SCHEDULE OF FIRST-YEAR CLASSES, 1938-39
First Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 12	Gross Human Anatomy Med. 300a					Biochemistry Med. 340a
1:15 to 4:45	Histology Med. 310	Biochemistry Med. 340a 1:15-3:15	Histology Med. 310	Biochemistry Med. 340a 1:15-3:15	Histology Med. 310	

SCHOOL OF MEDICINE
SCHEDULE OF FIRST-YEAR CLASSES, 1938-39
Second Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 12	Gross Human Anatomy Med. 300b					
1:15 to 4:45	Biochemistry Med. 340b	Anat. of Nerv. System Med. 320	Biochemistry Med. 340b	Anat. of Nerv. System Med. 320	Biochemistry Med. 340b	

SCHOOL OF MEDICINE
SCHEDULE OF SECOND-YEAR CLASSES, 1938-39
First Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:00 to 12:00	Physiology Med. 400	Physiology Med. 400 9:00-11:00 Pathology Med. 450	Physiology Med. 400	Physiology Med. 400 9:00-11:00 Pathology Med. 450	Physiology Med. 400	
1:15 to 4:45	Bacteriology and Immunology Med. 440-441	Pathology Med. 450	Bacteriology and Immunology Med. 440-441	Pathology Med. 450	Bacteriology and Immunology Med. 440-441	

SCHOOL OF MEDICINE
SCHEDULE OF SECOND-YEAR CLASSES, 1938-39
Second Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 10:30	Pharmacology Med. 410	Pharmacology Med. 410 8:00-10:00	Physical Diagnosis Med. 480	Pharmacology Med. 410 8:00-12:00	Physical Diagnosis Med. 480	
10:30 to 12:00		Physical Diagnosis Med. 480 10:00-12:00	Pathology Med. 451 (½ class)		Pathology Med. 451 (½ class)	
1:00 to 2:00	Pathology Med. 451	Parasitology Med. 442	Pathology Med. 451 1:15-2:00	Parasitology Med. 442 1:00-4:00		
2:00 to 4:00	Clinical Laboratory Methods Med. 482		Clinical Laboratory Methods Med. 482		Pharmacology Med. 410	
4:00 to 5:00				Obstetrics Med. 420		

SCHOOL OF MEDICINE
SCHEDULE OF THIRD-YEAR CLASSES, 1938-39
First Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 11:15	Gynecology 8:10-9:00 Medicine Wards	Medicine Wards	Obstetrics 8:10-9:00 Medicine Wards	Medicine Wards	Medicine Wards	Therapeutics 9:00-11:00
11:15 to 12:15	Surgery	Surgery Clinic	Surgery	Surgery	Medicine Clinic	X-ray 11:00-12:00
1:15	Pathology	Medicine Wards	Endocrinology	Public Health	Pathology	
2:15 to 5:00	Medicine Wards		Pathology	Medicine Wards	Pathology	

SCHOOL OF MEDICINE
SCHEDULE OF THIRD-YEAR CLASSES, 1938-39
Second Semester
(Sections [Medicine and Surgery] change April 10, 1939)

<table>
<tr><th></th><th>Monday</th><th>Tuesday</th><th>Wednesday</th><th>Thursday</th><th>Friday</th><th>Saturday</th></tr>
<tr><td>8:30
to
11:15</td><td>Gynecology
8:10-9:00
Medicine
Wards
or
Surgery
Out-patient</td><td rowspan="2">Orthopedic
Wards
9:00-11:15</td><td>Obstetrics
8:10-9:00
Medicine
Wards
or
Surgery
Out-patient</td><td rowspan="2">Medicine
Wards
or
Surgery
Out-patient</td><td rowspan="2">Medicine
Wards
or
Urology</td><td rowspan="2">Obstetrics
—
Histopathology
and
Manikin
Practice
8:00-10:00</td></tr>
<tr><td>11:15
to
12:15</td><td>Pediatrics</td><td>Surgery
Clinic</td><td>Tuberculosis
Clinic</td><td>Medicine
Clinic</td><td>Medicine
Clinic</td></tr>
<tr><td>1:15</td><td>Dermatology</td><td>Ophthalmology</td><td>Psychiatry</td><td>Public Health</td><td>Otolaryngology</td><td rowspan="4"></td></tr>
<tr><td>2:15</td><td></td><td></td><td>Neurosurgery
Proctology
Anesthesia</td><td>Urology</td><td></td></tr>
<tr><td>3:00</td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>4:00-
6:00</td><td>Obstetrics
—
Histopathology
and
Manikin
Practice</td><td></td><td></td><td></td><td></td></tr>
</table>

SCHOOL OF MEDICINE
SCHEDULE OF FOURTH-YEAR CLASSES, 1938-39

In the fourth year the class is divided into three sections, the school year into three clinical periods, and the work to be done into three subdivisions. Each clinical period extends for approximately eleven weeks.

	Group I	Group II	Group III
1st Clinical Period Sept. 19, 1938 to Dec. 5, 1938	Special Clerkship Period Dermatology Communicable Diseases Syphilis Clinic Psychiatry	Surgical Clerkship Period	Medical Out-patient Period
2nd Clinical Period Dec. 5, 1938 to Mar. 6, 1939	Medical Out-patient Period	Special Clerkship Dermatology Communicable Diseases Syphilis Clinic Psychiatry	Surgical Clerkship Period
3rd Clinical Period Mar. 6, 1939 to May 27, 1939	Surgical Clerkship Period	Medical Out-patient Period	Special Clerkship Period Dermatology Communicable Diseases Syphilis Clinic Psychiatry

Clinics in medicine and surgery, a clinical pathological conference and pediatrics in the Children's Hospital continue throughout the year.

Electives. Time is available for elective work to a certain extent throughout the year, but is greatest during the medical out-patient period. At the beginning of the year each student will submit his program of elective work for approval. Electives in medicine and surgery are available as indicated in the description of courses in these departments. Elective work available in obstetrics and gynecology and in the preclinical sciences will be announced.

SCHOOL OF MEDICINE
SCHEDULE OF FOURTH-YEAR CLASSES, 1938-39
SPECIAL CLERKSHIP PERIOD

<table>
<tr><th></th><th>Monday</th><th>Tuesday</th><th>Wednesday</th><th>Thursday</th><th>Friday</th><th>Saturday</th></tr>
<tr><td>8:30
to
9:30</td><td>Surgery</td><td>Communicable
Diseases
8:00-9:30</td><td rowspan="3">Children's
Hospital
Pediatrics
and
Orthopedics</td><td>Obstetrics
Gynecology
8:10-9:00</td><td rowspan="2">Communicable
Diseases
8:00-10:30</td><td rowspan="3">Psychiatry
Sections</td></tr>
<tr><td>9:30
to
11:15</td><td>Dermatology</td><td>Ophthalmology</td><td>Dermatology</td></tr>
<tr><td>11:15
to
12:15</td><td>Clinical
Pathological
Conference</td><td>Surgery
Clinic</td><td>Gynecology
Clinic</td><td>Medicine
Clinic</td></tr>
<tr><td>1:30
to
5:30</td><td>Special
Medicine
Clinic</td><td>Psychiatry
Sections
and
Special
Medicine
Clinic</td><td>Psychiatry
Sections</td><td>Special
Medicine
Clinic</td><td>Psychiatry
Sections
and
Special
Medicine
Clinic</td><td></td></tr>
</table>

SCHOOL OF MEDICINE
SCHEDULE OF FOURTH-YEAR CLASSES, 1938-39
SURGICAL CLERKSHIP PERIOD

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:10 to 9:00	Surgery 8:30-9:30		Children's Hospital Pediatrics and Orthopedics 8:30-12:15	Obstetrics Gynecology	Obstetrics Gynecology Conference	
9:00 to 11:15	Surgery Wards 9:30-11:15	Neurological and Chest Surgery Wards		Urology and Surgery Wards	Fractures and Surgery Wards	
11:15 to 12:15	Clinical Pathological Conference	Surgery Clinic		Gynecology Clinic	Medicine Clinic	
1:00 to 3:00	Surgical Pathology and Malignancy Out-patient	Surgical Pathology	Surgery Wards	Surgery Wards	Otology Rhinology Laryngology 1:30-3:30	
3:00 to 5:30	Surgery Wards	Surgery Wards			Surgery Wards	

SCHOOL OF MEDICINE
SCHEDULE OF FOURTH-YEAR CLASSES, 1938-39
MEDICAL OUT-PATIENT PERIOD

<table>
<tr><th></th><th>Monday</th><th>Tuesday</th><th>Wednesday</th><th>Thursday</th><th>Friday</th><th>Saturday</th></tr>
<tr><td>8:10
to
9:00</td><td>Surgery
8:30-9:30</td><td></td><td rowspan="3">Children's Hospital
Pediatrics and Orthopedics
8:30-12:15</td><td>Obstetrics Gynecology</td><td>Obstetrics Gynecology Conference</td><td rowspan="3"></td></tr>
<tr><td>9:00
to
11:15</td><td>Heart Clinic and Tuberculosis</td><td>Neurology Clinic</td><td>Neurology Clinic</td><td>Heart Clinic and Tuberculosis</td></tr>
<tr><td>11:15
to
12:15</td><td>Clinical Pathological Conference</td><td>Surgery Clinic</td><td>Gynecology Clinic</td><td>Medicine Clinic</td></tr>
<tr><td>1:00
to
2:00</td><td>Allergy Clinic</td><td rowspan="2">Medicine Out-patient</td><td rowspan="2">Medicine Out-patient</td><td rowspan="2">Medicine Out-patient</td><td rowspan="2">Medicine Out-patient</td><td rowspan="2"></td></tr>
<tr><td>2:00
to
3:30</td><td>Medicine Out-patient</td></tr>
</table>

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

Session of 1937-38

First Year

Name	School Last Attended and Degrees	Home Address
Adams, Deane Taylor	University of Southern California	Glendale
Alexander, Harold Burton	A.B., University of California at L. A., 1937	Los Angeles
Allin, Jack Gordon	University of California at L. A.	Pasadena
Allington, Robert Raymond	A.B., University of Southern California, 1937	Van Nuys
Bradley, William Guerin	A.B., University of California at L. A., 1937	Los Angeles
Bristow, David Austin	Fresno State College	Fresno
Buell, James Irwin	A.B., Occidental College, 1937	Long Beach
Carl, Nathan Emerson	A.B., University of Southern California, 1937	Los Angeles
Carter, Norman Kinman	A.B., Pomona College, 1933	Fullerton
Clark, Gilbert	A.B., University of California, 1937	Oakland
Crane, Jay Freeman	University of Southern California	Los Angeles
Davis, Alvin Elsworth	A.B., University of California at L. A., 1937	Los Angeles
Davis, James Grover, Jr.	University of Southern California	Los Angeles
Eisenbeiss, John Andrew	University of Southern California	Glendale
Elerding, Alan Colgrove	University of California	Los Angeles
Felix, John Mariano	A.B., University of Southern California, 1937	Honolulu, T.H.
Fonda, Maxwell Peterson	University of Southern California	Los Angeles
Foster, Robert Ellison Lee	University of California at L. A.	Los Angeles
Friedman, Marshall Hayden	A.B., University of California at L. A., 1936	Los Angeles
Funke, Robert Edward	University of California at L. A.	Long Beach
Furer, Stanford Arthur	A.B., University of Southern California, 1937	Los Angeles
Green, Walter Stanley	University of California at L. A.	Los Angeles
Hall, Jack Elwin	University of Southern California	Los Angeles
Hanson, George Charles	A.B., University of California at L. A., 1936	Los Angeles
Holt, Walter Clenton, Jr.	University of Southern California	Hollywood
Kirby, Frederick Goff	A.B., Stanford University, 1937	Santa Monica
Lange, Otto Heinrich	A.B., University of California at L. A., 1937	Hollywood
McNair, Edward	A.B., Occidental College, 1935	Colton
Moore, Emory Speer, Jr.	University of Southern California	Los Angeles
Movius, Herbert John	University of Southern California	Los Angeles
Munger, John Roger	A.B., Stanford University, 1937	Santa Paula
Murphy, Lyle Francis	A.B., University of California at L. A., 1934	Glendale
Murrieta, Alfred John, Jr.	A.B., Stanford University, 1936	Los Angeles
Nelson, James Hunter	A.B., University of Arizona, 1936	Tucson, Ariz.
Nesson, Willard Irwin	A.B., University of Southern California, 1937	San Marino
Nielsen, Robert Freeman	University of California at L. A.	Santa Monica
Nielson, Joseph Leroy, Jr.	A.B., University of California, 1937	Berkeley
Niemetz, David	A.B., University of California at L. A., 1936 A.M., University of Southern California, 1937	Hollywood
Paolino, Leonidas Homer	University of Southern California	Los Angeles
Payne, John Howard	University of Southern California	Los Angeles
Phillips, Israel Edward	University of Southern California	Los Angeles
Pulido, Venustiano	A.B., University of California at L. A., 1937	Tacuba, D.F., Mex.
Roland, William Chester	A.B., University of California, 1937	Sacramento
Scanlin, Harold Robert	A.B., University of Southern California, 1937	Los Angeles
Scofield, D. Stanley	University of California	San Diego
Smith, Turner Burton, Jr.	University of California at L. A.	Wilmington
Stanfill, Charles Mac	University of Southern California	Tucumcari, N.M.
Stirrett, Lloyd Arthur	University of Southern California	Los Angeles
Thornburg, Harold Babcock	University of California at L. A.	Los Angeles
Underwood, Laurence Joseph	A.B., University of California at L. A., 1937	Los Angeles
Walt, Richard William	A.B., Stanford University, 1937	North Hollywood
Watkins, H. M. Sherman	A.B., University of Southern California, 1937	San Francisco
Wilkinson, Hildegarde R. J.	A.B., University of Southern California, 1926	West Los Angeles
Wilson, John Allen, Jr.	University of Southern California	Los Angeles

Second Year

Name	School Last Attended and Degrees	Home Address
Adams, Robert Malcom	University of California	San Leandro
Allen, LeRoy Richard	A.B., University of Redlands, 1936	Garden Grove
Anderson, George Carl	A.B., University of Southern California, 1937	Los Angeles
Bachmann, George William, Jr.	A.B., Stanford University, 1936	Santa Monica
Biggy, Robert Frank	A.B., University of Southern California, 1936	Los Angeles
Bleiberg, Donald Joseph	A.B., University of Southern California, 1936	Los Angeles
Brown, George Edward	A.B., University of Southern California, 1937	Hollywood
Buell, Frank Andrew	A.B., University of California at L. A., 1936	Los Angeles
Burley, John Sullivan	Occidental College	Alhambra
Coleman, Ralph Leslie	University of California at L. A.	Hollywood
Cullen, Edward Russell	A.B., University of California, 1936	Long Beach
Finerman, Wilmore Bernart	A.B., University of California at L. A., 1935	Los Angeles
Franklin, Roland Gould	University of California at L. A.	Los Angeles
Frantz, Winthrop Steele	University of California	Sacramento
Gaspar, John Lambert	University of Southern California	Los Angeles
Gibson, Thomas Albert	A.B., University of Southern California, 1937	Prescott, Ariz.
Hallstone, Victor Everett	A.B., University of California, 1935	Turlock
Hovsepian, Deron	A.B., University of California at L. A., 1936	Los Angeles
Iseminger, Sidney Willis	A.B., University of Southern California, 1936	Roseville
James, Robert Ernest	A.B., University of Southern California, 1936	National City
*Jurgensen, Jack Henry, Jr.	Occidental College	Pasadena
Kelly, James Eugene	A.B., University of Southern California, 1937	Los Angeles
Kelly, Robert Francis	B.S., Loyola University, Los Angeles, 1936	Glendale
Knupp, Wilber S.	A.B., University of Southern California, 1936	Whittier
Koch, Eugene Robert	A.B., University of Southern California, 1936	San Francisco
Kusayanagi, Masako	A.B., University of Southern California, 1936	Los Angeles
Lasky, Irving Israel	A.B., University of Southern California, 1937	Los Angeles
*Lincoln, Norman Van Hendrix	A.B., University of New Mexico, 1936	Santa Fe, N. M.
MacClocklin, Dorothy Imogene	A.B., University of Southern California, 1937	Fullerton
Malone, Charles Morton	A.B., University of California, 1935	Phoenix, Ariz.
Mazur, Harold Morris	A.B., University of California at L. A., 1934 A.M., University of California, 1936	Los Angeles
Meals, William Goode	San Diego State College	San Diego
Meehan, Herbert	A.B., University of California at L. A., 1934	Glendale
Newkirk, Merlin Louis	A.B., University of California at L. A., 1936	Long Beach
Pearson, John Peter	University of Arizona	Glendale, Ariz.
Roe, William Forth	A.B., University of California at L. A., 1934	Glendale
Singhoff, Arno Wolfgang	University of California at L. A.	Los Angeles
Sloan, Ralph Varian	A.B., University of California at L. A., 1934	Glendale
Smith, Samuel Newlan	University of California at L. A.	West Los Angeles
Spiers, Donald William	A.B., University of Southern California, 1935	Beverly Hills
Stephenson, William Hughes	A.B., University of California at L. A., 1936	Los Angeles
Sugarman, Jerome Norman	A.B., University of Southern California, 1937	Los Angeles
Sweeley, Glenn George	A.B., University of California at L. A., 1935	Los Angeles
Taggart, John Victor	University of California at L. A.	Los Angeles
Tapia, Carlos Telles, Jr.	A.B., University of Southern California, 1937	Sonora, Mexico
Thurber, Packard, Jr.	University of Southern California	Los Angeles
Wilkins, Howard Francis	B.S., Loyola University, Los Angeles, 1936	Los Angeles

*Withdrew at end of first semester

Third Year

Name	School Last Attended and Degrees	Home Address
Andler, Maxwell, Jr.	A.B., University of Southern California, 1936	Brookline, Mass.
Bacon, Edison Pierce	University of Southern California	Los Angeles
Baker, Molly Buttress	A.B., University of California at L. A., 1934	Triunfo
Bassett, John Winfield	A.B., University of Southern California, 1937	San Diego
Brock, Burton K.	University of Southern California	El Centro
Buel, Walter Henry	A.B., University of Southern California, 1936	Los Angeles
Butler, Charles Gleason	University of California at L. A.	Los Angeles
Crawford, Donald John	University of California	Long Beach
Dahlman, Rynold Austin	University of California at L. A.	Los Angeles
Daniels, Elijah Robert	University of Southern California	Los Angeles
Feder, Bernard Herbert	A.B., University of Southern California, 1936	Los Angeles
Feeney, John Robert	B.S., D.D.S., University of Southern California, 1930; A.B., 1936	Los Angeles Los Angeles
Flynn, John Francis, Jr.	A.B., University of California at L. A., 1936	Los Angeles
Homann, Ralph E., Jr.	B.S., California Institute of Technology, 1935	Hollywood
Hudson, Charles Burton	Ph.G., University of California, 1931; A.B., 1935	Santa Rosa
Ingham, Harrington Vose	Pomona College	Los Angeles
Ireland, Robert McLeod	A.B., University of Southern California, 1936	Los Angeles
Jones, Samuel Austin	University of California	Los Angeles
Kimball, Merritt Hazen S.	University of California at L. A.	San Diego
Kistler, Maxwell	University of Southern California	Los Angeles
Knott, Leslie Whitestone	A.B., Occidental College, 1933	San Francisco
LaMotte, John Latimer	University of California at L. A.	Los Angeles
Lancaster, George Gale	A.B., University of Southern California, 1937	Torrance
Levin, Norman E.	A.B., University of Southern California, 1936	Los Angeles
Lynch, Theodore Thomas	Loyola University at Los Angeles	Vallejo
Maguire, Joseph Francis	A.B., University of California at L. A., 1935	Hollywood
Moore, Frederick Jessup	A.B., Hamilton College, 1933; University of Southern California	Los Angeles
Morgan, David William	A.B., Pomona College, 1934	San Fernando
Morreale, John J.	A.B., University of Southern California, 1936	Los Angeles
Moss, George Lester	A.B., University of California, 1935	Pomona
Norene, Robert Andrew	A.B., University of Southern California, 1935	Pasadena
Olney, Millard Parker	A.B., University of California at L. A., 1935	Los Angeles
Peck, Richard Oliver	University of California at L. A.	Los Angeles
Porter, James Llewellyn	A.B., University of Southern California, 1935	National City
Redner, Leo Robert, Jr.	University of Southern California	Los Angeles
Ridge, Gerald Kent	University of California at L. A.	Los Angeles
Schuldberg, Irving Israel	A.B., University of Southern California, 1937	Los Angeles
Shulman, Leon Junior	A.B., University of California at L. A., 1935	Los Angeles
Smith, Robert Lincoln	A.B., University of California at L. A., 1935	Los Angeles
Stratton, Victor Charles	University of California at L. A.	Los Angeles
Suzuki, Tsutomu Tom	A.B., University of Southern California, 1936 A.B., Occidental College, 1935	Los Angeles
Swift, Lorin Clyde	University of California at L. A.	Los Angeles
Vickers, James Edmund	A.B., University of California at L. A., 1935	Los Angeles
Walters, John Douglas	A.B., University of California at L. A., 1934	Hollywood
Wilks, Frank Wallace	University of California at L. A.	Los Angeles

Fourth Year

Name	School Last Attended and Degrees	Home Address
Bidwell, Robert Reddington	University of California at L. A.	Santa Monica
Blatherwick, Norman Henry	University of California at L. A. A.B., University of Southern California, 1935	Los Angeles
Burbidge, John Heathcote	San Diego State College	Pacific Beach
Busby, Walter Whitcomb	A.B., University of Southern California, 1935	Los Angeles
Canby, Charles Borrmann	University of California at L. A. A.B., University of Southern California, 1935	Van Nuys
Chapman, Edwin Stow	A.B., University of Southern California, 1935	San Fernando
Chernow, Marvin Lee	A.B., University of California at L. A., 1934	Los Angeles
Clothier, William Lewis	A.B., Occidental College, 1932	Los Angeles
Conklin, James Edward, Jr.	College of the Pacific	Acampo
Cowper, Herbert Hazlett	A.B., University of California at L. A., 1934	So. Pasadena
Crane, Edward Harrison	A.B., University of California at L. A., 1934	Inglewood
Davis, Donald R.	A.B., University of Southern California, 1935	San Diego
Dempsey, Thomas Francis	A.B., Lehigh University, 1934	Torrance
Englehorn, Harold Milton	University of Southern California	San Diego
Flaherty, Tom Titian	Loyola University A.B., University of Southern California, 1935	Long Beach
Giovanazzi, Joseph Eugene	San Diego State College	San Diego
Gould, Charles Ernest G.	A.B., University of British Columbia, 1928	British Columbia
Griffin, Richard Anthony	University of California at L. A. A.B., University of Southern California, 1935	No. Hollywood
*Heller, Robert Antrim	A.B., State University of Montana, 1934	La Cañada
Hopkins, Thorne	Fresno State College A.B., University of Southern California, 1935	Fresno
Horowitz, Samuel Charles	A.B., University of Southern California, 1934	Los Angeles
Hull, Earl Theo, Jr.	A.B., University of California at L. A., 1934	Los Angeles
Hull, Frederick Hinkley	A.B., University of California at L. A., 1934	Beverly Hills
Ichioka, Tsutayo Nakao	A.B., University of Southern California, 1935	Los Angeles
Kamins, Maurice Lloyd	A.B., University of California at L. A., 1934	Los Angeles
Kidd, Thomas Roberts	A.B., University of Southern California, 1935	Southgate
Kingsbery, Lloyd Batré	A.B., University of Southern California, 1933	Los Angeles
Lipkis, Morey Leonard	A.B., University of California at L. A., 1934	Los Angeles
MacDonald, James Lindell	A.B., University of Redlands, 1935	Redlands
Macer, George Armand	A.B., University of Southern California, 1934	Pasadena
Mark, Bernard John	B.S., University of Washington, 1932	Hollywood
Middleton, Joseph Gaines	A.B., University of Southern California, 1935	Los Angeles
Mirovich, Joseph Irving	A.B., University of Southern California, 1931	Hollywood
Nelson, Norman Bartram	A.B., University of California at L. A., 1934	Los Angeles
Owens, Harold	A.B., University of California, 1931	Glendale
Page, Griffith Davidson	University of California at L. A. A.B., University of Southern California, 1935	Los Angeles
Pierose, Perry Nickolas	A.B., Stanford University, 1933	Los Angeles
von Reutepohler, Ripples Menga	A.B., University of Southern California, 1935	Los Angeles
Rosenblum, Bernard H.	A.B., University of California, 1932	Los Angeles
Sanborn, Alvin Leavitt	A.B., University of Southern California, 1934	Lemoore
Stanton, Frank Everett	University of California at L. A. A.B., University of Southern California, 1936	Long Beach
Sturgeon, Esther Bradshaw	A.B., University of Southern California, 1935	Los Angeles
Thompson, George Newton, Jr.	A.B., San Diego State College, 1934	Los Angeles
Trotter, Joseph Trumball, Jr.	University of Southern California	Pasadena

*Withdrew during first semester

Fifth Year

Name	School Last Attended and Degrees	Interneship
Abbott, Grant	A.B., Occidental College, 1932	Santa Fe Coast Lines Hospital
Balch, Harry Eugene	A.B., Univ. of Calif. at L. A., 1931 A.M., Univ. of California, 1932	Los Angeles County Hospital
Beecroft, Ruth Koester	A.B., Univ. of Minnesota, 1925; A.M., 1927	Los Angeles County Hospital
Benson, Seymour Kanter	A.B., Univ. of So. Calif., 1933	Los Angeles County Hospital
Bernstein, Theodore Isra	University of Southern California	St. Francis Hospital, Santa Barbara
Beswick, John West	A.B., Univ. of California, 1931	Los Angeles County Hospital
Bingaman, Dixi McLean	A.B., Univ. of California, 1933	Holy Cross Hospital, Salt Lake City, Utah
Calden, Willard Stephen	University of California A.B., Univ. of So. Calif., 1935	Alameda County Hospital, Oakland
Cane, Edward Martin	University of California at L. A. A.B., Univ. of So. Calif., 1935	Los Angeles County Hospital
Cutler, Charles Henry	A.B., Univ. of California, 1931	Children's Hospital, Boston, Mass.
Dahlgren, Arthur Rowell	Stanford University A.B., Univ. of So. Calif., 1933	Fresno County General Hospital, Fresno
Daly, Joseph Austin	University of California at L. A. A.B., Univ. of So. Calif., 1935	Mary's Help Hospital, San Francisco
Elerding, George William	A.B., Univ. of Calif. at L. A., 1932	Southern Pacific Hospital, San Francisco
Fielding, Fredrick James	University of California at L. A. A.B., Univ. of So. Calif., 1934	Letterman General Hospital, San Francisco
Fraleigh, John Percival	A.B., Univ. of So. Calif., 1933	St. Vincent's Hospital
French, Jack Douglas	A.B., Univ. of Calif. at L. A., 1933	Univ. of Calif. Hospital, San Francisco
Gallison, Frank Everett	University of California	Los Angeles County Hospital
Higgins, John W.	A.B., Univ. of So. Calif., 1934	Los Angeles County Hospital
Hoover, Harold Roger	A.B., Univ. of Calif. at L. A., 1933	Huntington Memorial Hospital, Pasadena
Hull, Forrest Edgar	A.B., Univ. of So. Calif., 1933	San Diego County Hospital, San Diego
Jacobson, George	A.B., Univ. of So. Calif., 1932	Los Angeles County Hospital
Jones, Theodore Clifton	A.B., Stanford University, 1933	Santa Clara County Hospital, San Jose
Kilbourne, Edwin Dearborn, Jr.	A.B., University of Hawaii, 1933	Santa Fe Coast Lines Hospital
Kobal, Arthur Leo	A.B., Univ. of So. Calif., 1934	Los Angeles County Hospital
Lewis, Harvey Alvin	A.B., Univ. of So. Calif., 1934	Los Angeles County Hospital
Little, Dana Duncan	University of California at L. A.	Santa Fe Coast Lines Hospital
Little, William Morse	University of California at L. A. A.B., Univ. of So. Calif., 1934	Santa Fe Coast Lines Hospital
Lynch, Richard Leslie	A.B., Stanford University, 1932	Sacramento County Hospital, Sacramento
McCloy, Neil Patrick	Loyola University, Los Angeles A.B., Univ. of So. Calif., 1934	Mary's Help Hospital, San Francisco
McGregor, Helen	A.B., Univ. of Calif. at L. A., 1926	Children's Hospital, San Francisco
McMullen, Colin Bernard	A.B., Univ. of So. Calif., 1935	San Bernardino County Charity Hospital
Magnuson, Harold Joseph	A.B., Univ. of So. Calif., 1934	Los Angeles County Hospital
Mershon, Robert Henderson	A.B., Univ. of So. Calif., 1934	U. S. Marine Hospital, San Francisco
Nemethi, Carl Edward	A.B., Univ. of So. Calif., 1934	The California Hospital
Patterson, Lloyd Hoyt	A.B., Univ. of So. Calif., 1934	Orange County Hospital, Orange
Ritchie, Paul James	University of California at L. A. A.B., Univ. of So. Calif., 1935	The California Hospital
Roberts, Walter L.	A.B., Univ. of So. Calif., 1933	Los Angeles County Hospital

Fifth Year

Name	School Last Attended and Degrees	Interneship
Smith, Charles Callender	A.B., Univ. of California, 1931	U. S. Marine Hospital, San Francisco
Strauss, Ludwig	University of Berne	Cedars of Lebanon Hospital
Tanton, Harry A.	A.B., Pomona College, 1933	Los Angeles County Hospital
Thomas, John Wix	A.B., Pomona College, 1933	St. Elizabeth Hospital, Washington, D. C.
Veitch, Frederick Arthur	A.B., Univ. of So. Calif., 1933	San Bernardino County Charity Hospital
Welden, Robert Cushman	A.B., Univ. of Redlands, 1935	Hollywood Hospital
Wolf, Robert William	University of California A.B., Univ. of So. Calif., 1935	San Francisco City & County Hospital, San Francisco

GRADUATES OF THE SCHOOL OF MEDICINE

Adams, William Lanier, Jr.	A.B., Univ. of So. Calif., 1930; M.D., 1934	Los Angeles County Hospital
Aldrich, Alla Margaret (Mrs. Thomas Mooney)	A.B., Univ. of Calif., 1928 M.D., Univ. of So. Calif., 1934	3789 California Street, San Diego
Althouse, Hugh Christian	A.B., Univ. of So. Calif., 1932; M.D., 1936	6502 Crenshaw Boulevard, Los Angeles
Anderson, Ernest Richard Vincent	A.B., Univ. of Calif. at L. A., 1932 M.D., Univ. of So. Calif., 1937	Los Angeles County Hospital
Anderson, Frank Manter	A.B., Univ. of Calif. at L. A., 1932 M.D., Univ. of So. Calif., 1937	Los Angeles County Hospital
Armstrong, Elvin Leroy	A.B., Univ. of So. Calif., 1933; M.D., 1936	Oakland
Baer, Irving Nathan	A.B., Univ. of So. Calif., 1931; M.D., 1935	1814 Montana Street, Los Angeles
Bartlett, John Carleton	A.B., Univ. of So. Calif., 1934; M.D., 1937	Alameda County Hospital, Oakland
Baus, Gaston	A.B., Univ. of So. Calif., 1930; M.D., 1934	Children's Hospital, Los Angeles
Bennett, Terry Canfield	A.B., Univ. of So. Calif., 1932; M.D., 1935	2412 Harwood Street, Los Angeles
Bilafer, Robert A.	A.B., Stanford University, 1929 M.D., Univ. of So. Calif., 1934	514 Castro Street, San Francisco
Blackman, William Harold	A.B., Univ. of So. Calif., 1926; M.D., 1933	Indio
Borah, Charles Edward	D.D.S., Univ. of So. Calif., 1929; M.D., 1935	Phoenix, Ariz.
Bryant, Alva Luel, Jr.	A.B., Univ. of So. Calif., 1933; M.D., 1937	Huntington Park
Burston, Herschel Herbert	A.B., Univ. of So. Calif., 1934; M.D., 1937	Los Angeles County Hospital
Carlson, Elmer Otto	A.B., Univ. of So. Calif., 1933; M.D., 1937	San Diego County Hospital, San Diego
Carter, Richard Alfred	M.D., Univ. of So. Calif., 1934	501 Professional Building, Long Beach

Graduates

Name	School Last Attended and Degrees	
Chase, Edwin Morrey	B.S., University of Oregon, 1929 M.D., Univ. of So. Calif., 1934	Soledad
Chittenden, Rea Forry	A.B., Univ. of Calif. at L. A., 1929 M.D., Univ. of So. Calif., 1934	356 North Olive Avenue, Burbank
Christian, Sam Gardner	A.B., Univ. of So. Calif., 1931; M.D., 1936	Sacramento
Clock, Charles Joseph	A.B., Univ. of So. Calif., 1929; M.D., 1933	Medical Arts Bldg., Redlands
Comparette, Homer Louis	A.B., Univ. of So. Calif., 1933; M.D., 1937	Los Angeles County Hospital
Cramer, Dwight Lester	A.B., Univ. of So. Calif., 1931; M.D., 1936	Ketchikan, Alaska
Cutshaw, Charles MacLaren	A.B., Univ. of So. Calif., 1934; M.D., 1936	Brawley
Donath, Douglas Harry	A.B., Univ. of Calif. at L. A., 1931 M.D., Univ. of So. Calif., 1936	The Mayo Foundation, Rochester, Minnesota
Donham, Robert Cecil	A.B., Univ. of So. Calif., 1928; M.D., 1933	650 North La Brea Avenue, Los Angeles
Douglass, George Hall	A.B., Univ. of So. Calif., 1929; M.D., 1934	263 South La Brea Avenue, Los Angeles
Dyke, Louis Henry, Jr.	A.B., Univ. of Calif., 1932 M.D., Univ. of So. Calif., 1937	Alameda County Hospital, Oakland
Emerson, Charles V.	A.B., Morningside College, 1926 M.D., Univ. of So. Calif., 1933	4172 Whittier Boulevard, Los Angeles
Emmons, Lowell Luther	A.B., Univ. of So. Calif., 1934; M.D., 1937	San Bernardino County Charity Hospital
Epstein, Herman Commie	A.B., Univ. of Calif. at L. A., 1929 M.D., Univ. of So. Calif., 1936	329 West Jefferson Street, Los Angeles
Farrage, James	M.D., Univ. at So. Calif., 1934	Corona
Feder, Morris Reuben	A.B., Univ. of So. Calif., 1931; M.D., 1935	3538 Garden Avenue, Los Angeles
French, Richard Louis	A.B., Stanford University, 1931 M.D., Univ. of So. Calif., 1936	Los Angeles County Hospital
Galbraith, Harold Frederick	A.B., Univ. of So. Calif., 1934; M.D., 1937	1148 Fourth Street, Santa Monica
Gallup, Charles Amos	A.B., Univ. of So. Calif., 1933; M.D., 1937	Los Angeles County Hospital
Gandin, Morris M.	A.B., Univ. of So. Calif., 1933; M.D., 1937	Los Angeles County Hospital
Garrett, Garland Fielding	A.B., Pasadena College, 1927 M.D., Univ. of So. Calif., 1937	The California Hospital
Gates, Earl Francis	A.B., Univ. of So. Calif., 1932; M.D., 1936	Bakersfield
Gibboney, Don Bernard	M.D., Univ. of So. Calif., 1935	Los Angeles County Hospital
Goodcell, Ross Adams	A.B., Stanford University, 1929 M.D., Univ. of So. Calif., 1934	1136 West Sixth Street, Los Angeles

Graduates

Name	School Last Attended and Degrees	
Goodhill, Victor	A.B., Univ. of So. Calif., 1933; M.D., 1937	Children's Hospital, Los Angeles
Goto, James M.	A.B., Univ. of So. Calif., 1933; M.D., 1937	Los Angeles County Hospital
Greeley, Charles Eddy	A.B., Univ. of So. Calif., 1924; A.M., 1925; M.D., 1937 Ph.D., Univ. of Mich., 1931	Univ. of Southern California College of Dentistry
Greeley, Paul Orson	A.B., Univ. of So. Calif., 1921; A.M., 1923; M.D., 1937 Ph.D., Univ. of Mich., 1930	Univ. of Southern California School of Medicine
Green, Carl Victor	A.B., Univ. of So. Calif., 1927; M.D., 1933	U. S. Navy Medical School, Washington, D. C.
Griset, Mary L. (Mrs. Max D. Hendricks)	A.B., Occidental College, 1929 M.D., Univ. of So. Calif., 1934	Wasco
Grunewald, Carl Frederick	A.B., Univ. of Ill., 1920; B.S., 1922 M.D., Univ. of So. Calif., 1935	595 East Colorado Street, Pasadena
Guinney, Francis Edwin	A.B., Univ. of So. Calif., 1933; M.D., 1937	Los Angeles County Hospital
Hadley, Russell C.	M.D., Univ. of So. Calif., 1937	Department of Water and Power, Los Angeles
Hall, George E.	A.B., Univ. of So. Calif., 1932; M.D., 1935	9200 Olympic Boulevard, Beverly Hills
Hamilton, Van Rensselaer	A.B., Stanford University, 1929 M.D., Univ. of So. Calif., 1934	14521 Gilmore Street, Van Nuys
Harris, George Sidney	A.B., Univ. of So. Calif., 1932; M.D., 1936	Los Angeles County Hospital
Harwood, Chad McKinney	A.B., Univ. of So. Calif., 1933; M.D., 1935	214 East Walnut Street, Santa Ana
Hawley, Carl John	A.B., Univ. of So. Calif., 1931; M.D., 1935	State Board of Public Health, Sacramento
Hendricks, Coleman Bresee	A.B., Vanderbilt University, 1929 B.S. (in Pharm.), Univ. of So. Calif., 1932; M.D., 1937	Los Angeles County Hospital
Hendricks, Max Dixon	M.D., Univ. of So. Calif., 1934	Wasco
Hewitt, George W.	A.B., Univ. of So. Calif., 1917; A.M., 1922; M.D., 1933	1136 West Sixth Street, Los Angeles
Hoff, Cecil Wayne	A.B., Univ. of So. Calif., 1932; M.D., 1936	San Bernardino
Hogan, William James	A.B., Univ. of So. Calif., 1930; M.D., 1935	Springville
Hosmer, Rawson Fell	A.B., Univ. of Michigan, 1930 M.D., Univ. of So. Calif., 1936	Chicago, Illinois
Houghton, Karl Herbert	A.B., Univ. of So. Calif., 1932; M.D., 1936	Carlisle Barracks, Pennsylvania
House, Howard Payne	A.B., Whittier College, 1930 M.D., Univ. of So. Calif., 1935	1001 Floral Drive, Whittier

Graduates

Name	School Last Attended and Degrees	
Hoyt, Elizabeth B.	A.B., Univ. of Denver, 1914; A.M., 1917 M.D., Univ. of Calif., 1934	Pacific Colony, Spadra
Hromadka, John Ben	M.D., Univ. of So. Calif., 1935	228 Santa Monica Boulevard, Santa Monica
Humphreys, Pat Connell	A.B., Univ. of So. Calif., 1931; M.D., 1935	Los Angeles County Hospital
Jacobson, Leland Carl	B.S. (in Educ.), Univ. of So. Calif., 1930; M.D., 1937	Riverside County Hospital, Arlington
Jamentz, Albert Hartune	A.B., Univ. of Calif. at L. A., 1931 M.D., Univ. of So. Calif., 1937	Los Angeles County Hospital
Jamison, Horace William	A.B., Univ. of So. Calif., 1932; M.D., 1936	Los Angeles County Hospital
Kennedy, Robert Allen	A.B., Univ. of So. Calif., 1931; M.D., 1935	457 West Santa Barbara Avenue, Los Angeles
Kerber, Harry Edwin	A.B., Univ. of So. Calif., 1930; M.D., 1934	102 South Central Avenue, Glendale
Knouf, Evelynne Gwenneth	A.B., Univ. of So. Calif., 1932; M.D., 1937	Los Angeles County Hospital
Laubersheimer, Anton	A.B., Stanford University, 1930 M.D., Univ. of So. Calif., 1935	Los Angeles County Hospital
Lauritsen, Sigrid Hendriksen	A.B., Univ. of Calif., L. A., 1930; M.D., Univ. of So. Calif., 1936	1444 Blanche Street, Pasadena
Leix, Frederick Wm. Sanderson	A.B., Univ. of So. Calif., 1932; M.D., 1937	Los Angeles County Hospital
Levin, Edward	A.B., Univ. of So. Calif., 1930; M.D., 1934	151 North Fairfax Avenue, Los Angeles
Lewe, Irving Abbott	A.B., Univ. of So. Calif., 1933; M.D., 1936	Silver Lake, Oregon
Lighthill, Jack Albert	M.D., Univ. of So. Calif., 1937	Wasco
Lindsey, James O.	M.D., Univ. of So. Calif., 1933	225 Santa Monica Boulevard, Santa Monica
Link, Vernon Bennett	A.B., Univ. of So. Calif., 1932; M.D., 1936	U. S. Public Health Service
Linné, Francis Byrnes	A.B., Univ. of So. Calif., 1933; M.D., 1937	1201 East Eighth Street, Los Angeles
Lomas, Jack B.	Ph.G., Univ. of So. Calif., 1926; M.D., 1934	2007 Wilshire Boulevard, Los Angeles
Lomas, Max Israel	A.B., Univ. of So. Calif., 1931; M.D., 1935	2007 Wilshire Boulevard, Los Angeles
London, Milton Z.	A.B., Univ. of So. Calif., 1934; M.D., 1937	Los Angeles County Hospital
Long, James Clarke	A.B., Univ. of So. Calif., 1933; M.D., 1937	Hemet
Lopez, Charles J.	A.B., Univ. of So. Calif., 1931; M.D., 1935	6777 Hollywood Boulevard, Los Angeles
McCoy, David Allen	A.B., Occidental College, 1933 M.D., Univ. of So. Calif., 1937	Los Angeles County Hospital

Graduates

Name	School Last Attended and Degrees	
Mariette, Edgar Lionel	B.S., Univ. of Oregon, 1929 M.D., Univ. of So. Calif., 1934	136 North Central Avenue, Glendale
Martin, Helen Eastman	A.B., Pomona College, 1927 M.D., Univ. of So. Calif., 1934	Los Angeles County Hospital
Mendelsohn, Howard A.	A.B., Univ. of So. Calif., 1932; M.D., 1936	Los Angeles County Hospital
Mershon, Harry Franklin	A.B., Univ. of So. Calif., 1930; M.D., 1934	1407 South Hope Street, Los Angeles
Milliken, Ralph Malcom	A.B., Pomona College, 1932 M.D., Univ. of So. Calif., 1937	St. Vincent's Hospital
Mitchell, William John, Jr.	A.B.,Univ. of Arizona, 1929 M.D., Univ. of So. Calif., 1935	Los Angeles County Hospital
Moffatt, Donald Wadleigh	A.B., Univ. of So. Calif., 1931 M.D., Univ. of So. Calif., 1935	Edinburgh, Scotland
Mount, Bess Lucille	A.B., Grinnell College, 1909 M.D., Univ. of So. Calif., 1934	1347 Atlantic Avenue, Long Beach
Needles, John Walter	A.B., Univ. of So. Calif., 1933; M.D., 1937	Guadalupe
Nelson, Clyde Vincent, Jr.	A.B., Univ. of So. Calif., 1930; M.D., 1935	206 West Sixth Street, Los Angeles
Newman, Milton	A.B., Univ. of So. Calif., 1931; M.D., 1935	275 Central Park West, New York City
Olsen, Alonzo Young	A.B., Univ. of So. Calif., 1930; M.D., 1934	1052 West Sixth Street, Los Angeles
Olson, Sidney Julien	A.B., Stanford University, 1929 M.D., Univ. of So. Calif., 1935	Turlock
Ostrom, L. Bradford	A.B., Univ. of So. Calif., 1932; M.D., 1935	808 East Roy Street, Seattle, Washington
Palmer, Jay James	A.B., Univ. of So. Calif., 1932; M.D., 1935	U. S. Army Medical Corps
Paul, Carl John	A.B., Stanford University, 1930 M.D., Univ. of So. Calif., 1935	Orange
Paxton, John Richard	A.B., Univ. of So. Calif., 1933; M.D., 1936	Olive View Sanatorium, Olive View
Petersen, Henry Charles	M.D., Univ. of So. Calif., 1937	Sacramento County Hospital, Sacramento
Phillips, Francis LeRoy	A.B., Univ. of So. Calif., 1933; M.D., 1936	U. S. Navy Medical Corps
Priver, Maurice Sterling	A.B., Univ. of So. Calif., 1932; M.D., 1936	Los Angeles County Hospital
Radcliffe, Wm. Drummond, Jr.	A.B., Univ. of Arizona, 1928 M.D., Univ. of So. Calif., 1934	Los Angeles County Hospital
Reynolds, Frank Chester	A.B., Stanford University, 1930 M.D., Univ. of So. Calif., 1935	Chico
Reynolds, Frederick Gregory	M.D., Univ. of So. Calif., 1935	658 South Bonnie Brae Street, Los Angeles

Graduates

Name	School Last Attended and Degrees	
Rhind, Ralph	A.B., Stanford University, 1929 M.D., Univ. of So. Calif., 1934	Hermosa Beach
Riddell, Herman Irving	A.B., Univ. of So. Calif., 1933; M.D., 1937	Louisville City Hospital, Louisville, Kentucky
Rollins, Emanuel	A.B., Univ. of So. Calif., 1932; M.D., 1936	U. S. Army Medical Corps
Root, Ralph Nathan	B.S. (in Pharm.), Univ. of So. Calif., 1932; M.D. 1937	San Bernardino County Charity Hospital
Rosenblum, Gordon	M.D., Univ. of So. Calif., 1935	Los Angeles County Hospital
Runyon, Leslie A.	A.B., Univ. of So. Calif., 1932; M.D., 1935	Sacramento
Saverien, Henry Ludwig	A.B., Univ. of So. Calif., 1931; M.D., 1934	Sacramento
Scherb, Robert Emmett	A.B., Univ. of So. Calif., 1929; M.D., 1934	Bakersfield
Schmidt, Allen Robert	A.B., Univ. of So. Calif., 1933; M.D., 1937	2007 Wilshire Boulevard, Los Angeles
Schultz, Arthur Lenton	A.B., Univ. of So. Calif., 1931; M.D., 1935	Laguna Beach
Schwartz, Simon DeWitt	A.B., Univ. of Alabama, 1931 M.D., Univ. of So. Calif., 1936	5641 Melrose Avenue, Los Angeles
Seitter, Paul Franklin	A.B., Univ. of So. Calif., 1932; M.D., 1935	Fort Benton, Montana
Sherman, Edward Charles	A.B., Univ. of So. Calif., 1929; M.D., 1934	Cambria
Simon, Julius	A.B., Univ. of So. Calif., 1929; M.D., 1934	1680 North Vine Street, Hollywood
Smith, Gordon Knight	M.D., Univ. of So. Calif., 1936	Portland, Oregon
Soll, Sydney Nathaniel	A.B., Univ. of So. Calif., 1932; M.D., 1936	Los Angeles County Hospital
Soroker, Stella B.	A.B., Univ. of So. Calif., 1933; M.D., 1937	Los Angeles County Hospital
Spungin, Seymour Abraham	A.B., Univ. of Oklahoma, 1931 M.D., Univ. of So. Calif., 1937	New York City
Steele, Warren Nelson, Jr.	A.B., Stanford University, 1932 M.D., Univ. of So. Calif., 1937	Los Angeles County Hospital
Sturdevant, Matthew Chafin	A.B., Univ. of Redlands, 1931 M.D., Univ. of So. Calif., 1936	Los Angeles County Hospital
Swansen, Merle Harris	A.B., Univ. of So. Calif., 1931; M.D., 1935	Klamath Falls, Oregon
Thomas, Grace Fern	B.S., Univ. of Nebraska, 1924 M.A., Creighton Univ., 1926 M.D., Univ. of So. Calif., 1935	Mendocino State Hospital, Talmage
Thompson, Roderick A. I.	A.B., Univ. of So. Calif., 1932; M.D., 1937	Los Angeles County Hospital
Tokuyama, Shunichi Samuel	A.B., Univ. of So. Calif., 1929; M.D., 1934	Japan

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Graduates

Name	School Last Attended and Degrees	
Topping, Norman Hawkins	A.B., Univ. of So. Calif., 1933; M.D., 1936	U. S. Public Health Service
Tully, Paul White	A.B., Univ. of So. Calif., 1933; M.D., 1937	Santa Fe Coast Lines Hospital
Turkel, William Abraham	B.S. (in Pharm.), Univ. of So. Calif., 1931; A.B., 1933; M.D., 1937	Mary's Help Hospital, San Francisco
Wadsworth, Elmer Eugene, Jr.	A.B., Univ. of So. Calif., 1933; M.D., 1937	Soledad
Westsmith, Richard Alan	A.B., Stanford University, 1931 M.D., Univ. of So. Calif., 1937	Los Angeles County Hospital
Wieman, Walter Herman	B.S., Oregon State College, 1928 M.D., Univ. of So. Calif., 1934	2007 Wilshire Boulevard, Los Angeles
Wilkinson, Allan Blodgett	A.B., Univ. of So. Calif., 1932; M.D., 1936	Los Angeles County Hospital
Wilson, Warren Andrew	A.B., Stanford University, 1930 M.D., Univ. of So. Calif., 1936	Los Angeles County Hospital
Witherbee, Orville Orvus, Jr.	M.D., Univ. of So. Calif., 1935	3780 Wilshire Boulevard, Los Angeles
Wong, Matthew Loo	A.B., Univ. of So. Calif., 1931; M.D., 1935	Canton, China
Wood, Charles Milton	M.D., Univ. of So. Calif., 1936	Grass Valley
Wood, Clyde Othur	M.D., Univ. of So. Calif., 1937	Los Angeles County Hospital
Woodhull, Franklin Earl	A.B., Univ. of Calif. at L. A., 1932 M.D., Univ. of So. Calif., 1937	1921 Glendale Boulevard, Los Angeles
Ziskin, Daniel E.	A.B., Univ. of So. Calif., 1933; M.D., 1937	Los Angeles County Hospital

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THE UNIVERSITY OF SOUTHERN CALIFORNIA BULLETIN

Vol. XXXIV MAY 15, 1939 No. 7

School of Medicine

1939-1940

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THE UNIVERSITY OF SOUTHERN CALIFORNIA PRESS

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1939

JANUARY

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AUGUST

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OCTOBER

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JANUARY

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MARCH

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JULY

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AUGUST

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OCTOBER

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NOVEMBER

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DECEMBER

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SCHOOL OF MEDICINE CALENDAR*

1939

Sept. 13—Wednesday	9 A.M.	Registration begins.
Sept. 18—Monday	8 A.M.	First semester begins.
Oct. 4—Wednesday		Founders' Day.
Nov. 11—Saturday		Armistice Day—Holiday.
Nov. 29—Wednesday	9 P.M.	Thanksgiving recess begins.
Dec. 4—Monday	8 A.M.	Thanksgiving recess ends.
Dec. 9—Saturday	12 M.	Christmas recess begins.

1940

Jan. 2—Tuesday	8 A.M.	Christmas recess ends.
Feb. 3—Saturday	12 M.	First semester ends.
Feb. 5—Monday	9 A.M.	Registration begins.
Feb. 6—Tuesday	8 A.M.	Second semester begins.
Feb. 22—Thursday		Washington's Birthday—Holiday.
Mar. 16—Saturday	12 M.	Spring recess begins.
Mar. 25—Monday	8 A.M.	Spring recess ends.
May 30—Thursday		Memorial Day—Holiday.
May 31—Friday		Scholarship Day.
June 2—Sunday	3 P.M.	Baccalaureate.
June 4—Tuesday	8 A.M.	Final examinations begin for nongraduating students.
June 8—Saturday	2:30 P.M.	Commencement.
June 10—Monday	6 P.M.	Final examinations end for nongraduating students.
Sept. 10—Tuesday		Registration begins.
Sept. 16—Monday		Instruction begins.

*For information as to dates on which certain University requirements should be met by students in the Graduate School, see the bulletin of that school.

SCHOOLS AND COLLEGES

COLLEGE OF LETTERS, ARTS, AND SCIENCES
- SCHOOL OF PHILOSOPHY
- SCHOOL OF SPEECH
- SCHOOL OF JOURNALISM
- SCHOOL OF MUSIC

SCHOOL OF RELIGION

SCHOOL OF LAW

COLLEGE OF DENTISTRY (Affiliated)

COLLEGE OF PHARMACY

THE GRADUATE SCHOOL
- SCHOOL OF RESEARCH

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†Deceased, February 23, 1939.

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Harry Silke, B.S. in B.A., M.B.A., Director of Special Foundations

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M.D., College of Physicians and Surgeons of Indiana, 1888; LL.D., Indiana University, 1928. Professor of Surgery of the Head, Indiana University School of Medicine.

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M.D., University of Pennsylvania School of Medicine, 1894; hon. Sc.D., 1904; hon. A.M., Harvard University, 1895. Assistant in Clinical Pathology, University of Pennsylvania, 1887-88; Professor of Pathology, Texas Medical College and Hospital, 1888-91; Professor of Medicine, University of Michigan Medical School, 1891-1908; School of Medicine, Tulane University, 1908-10; School of Medicine, Washington University, 1910-22.

HARRY J. DEUEL, JR., A.B., Ph.D. Professor of Biochemistry

108 Science Building, University.

A.B., Carleton College, 1918; Ph.D., Yale University, 1923. Instructor in Physiology, Cornell Medical School, 1923-27; Assistant Professor of Physiology, 1927-28; Professor of Physiology, University of Maryland, 1928-29. At The University of Southern California since 1929.

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A.B., Stanford University, 1918; M.D., Stanford University School of Medicine, 1922. Assistant, Rockefeller Institute, 1922-25; Associate, 1925-29; Associate Physician, Huntington Memorial Hospital, and Assistant in Physiology, Harvard University Medical School, 1929-31. At The University of Southern California since 1931.

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471 Science Building, University.

A.B., Brigham Young College, 1905; M.S., Washington State College, 1916; M.D., Stanford University School of Medicine, 1925. Instructor in Pathology, Stanford University School of Medicine, 1925; Assistant Professor of Pathology, 1926-28; Acting Associate Professor of Histology, The University of Southern California, 1928-29; Professor of Pathology and Bacteriology, 1929-31; Professor of Pathology, 1931-—.

JOHN F. KESSEL, A.M., Ph.D. Professor of Bacteriology

251 Science Building, University.

A.B., Greenville College, 1919; A.M., University of California, 1921; Ph.D., 1923. Associate in Parasitology, Peking Union Medical College, 1923-28; Associate Professor of Parasitology, University of California at Los Angeles, 1928-29; Associate Professor of Pathology, College of Medical Evangelists, 1928-29; Associate Professor of Bacteriology and Parasitology, The University of Southern California, 1929-31; Professor of Bacteriology, 1931-—.

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B.S., Massachusetts Agricultural College, 1912; A.M., Columbia University, 1917; Ph.D., Harvard University, 1922; M.D., Harvard University Medical School, 1925. Department of Bacteriology and Immunology, Maryland Agricultural College, 1912-14; Assistant, Department of Preventive Medicine and Hygiene, Harvard University, 1919-22; Instructor, Bacteriology and Immunology, Harvard University Medical School, 1923-24; Associate Professor, Bacteriology and Immunology, Preventive Medicine and Hygiene, Baylor Medical School, 1925-26; Associate Professor of Bacteriology, The University of Southern California, 1930-35; Associate Professor of Medicine (Preventive Medicine and Public Health), 1931-35; Professor, 1935-—.

PAUL S. MCKIBBEN, B.S., Ph.D., LL.D., Sc.D., Dean of the School of Medicine and Professor of Anatomy

367 Science Building, University.

B.S., Denison University, 1906; Ph.D., University of Chicago, 1911; LL.D., University of Western Ontario, 1928; Sc.D., Denison University, 1936. Assistant in Anatomy, University of Chicago, 1908-11; Associate in Anatomy, 1911-12; Instructor in Anatomy, 1912-13; Professor of Anatomy, University of Western Ontario Medical School, 1913-27; Dean, 1919-27; Associate Professor and Professor of Anatomy, University of Michigan Medical School, 1927-29. At The University of Southern California since 1929.

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M.D., University of California Medical School, 1910. Instructor, Assistant Professor, Associate Professor, and Professor of Obstetrics,

College of Physicians and Surgeons, The University of Southern California, 1912-20; Professor of Obstetrics, College of Medical Evangelists, 1920-31. At The University of Southern California since 1931.

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Room 7906, Los Angeles County Hospital.

A.B., Maryville College, 1909; M.D., Rush Medical College, 1915. Instructor in Pathology, Rush Medical College, 1916-21; Instructor and Assistant Professor of Medicine, 1921-24. At The University of Southern California since 1930.

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A.B., St. Ignatius College, 1895; M.D., Rush Medical College, 1898. Assistant Professor of Surgery, Rush Medical College, 1906-14; Professor of Surgery, State University of Iowa College of Medicine, 1914-29. At The University of Southern California since 1931.

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A.B., University of Oregon, 1918; A.M., M.D., University of Oregon Medical School, 1923; Ph.D., Stanford University, 1926. Instructor in Anatomy, University of Oregon Medical School, 1921-22; Instructor in Pharmacology, 1922-24; Fellow in Medicine, National Research Council, Stanford University, 1925-26; Assistant Professor of Pharmacology, University of Oregon Medical School, 1926-29; Associate Professor of Pharmacology, The University of Southern California, 1929-31; Professor, 1931- —.

RUSSELL W. BASSETT, D.D.S., Special Lecturer in Obstetrics (Dental Diseases)

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D.D.S., The University of Southern California College of Dentistry, 1923. At The University of Southern California since 1934.

JACOB C. GEIGER, A.B., M.D., Dr.P.H., D.Sc., Lecturer in Medicine (Public Health)

Department of Public Health, San Francisco.

A.B., Tulane University, 1905; M.D., Tulane University School of Medicine, 1912; Dr.P.H., Tulane University, 1917; D.Sc., Louisiana State University, 1935. Assistant Professor of Hygiene, University of California, 1912-16; Professor of Bacteriology, Hooper Foundation, University of California Medical School, 1919-22; Associate Professor of Epidemiology, University of Chicago, 1922-28; Clinical Professor of Epidemiology, University of California Medical School, 1937- —. At The University of Southern California since 1933.

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M.D., Wisconsin College of Physicians and Surgeons, 1906. At The University of Southern California since 1938.

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M.D., Medical College of Ohio, 1906. At The University of Southern California since 1933.

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510 South Lucas Avenue, Los Angeles.

B.S., University of Michigan, 1915; M.D., University of Michigan Medical School, 1917. At The University of Southern California since 1931.

WILFRED H. KELLOGG, M.D., Lecturer in Medicine (Public Health)

State Department of Public Health, Berkeley.

M.D., University of California Medical School, 1896. Associate Clinical Professor of Preventive Medicine and Hygiene, University of California Medical School. At The University of Southern California since 1933.

ANDREW STEWART LOBINGIER, A.B., M.D. Lecturer in Surgery

307 West Eighth Street, Los Angeles.

A.B., University of Michigan, 1886; M.D., University of Michigan Medical School, 1889. Professor of Bacteriology and Pathology, Gross Medical College, 1889-92; Professor of Pathology, University of Colorado School of Medicine, 1892-94; Professor of Surgery, 1894-1902. At The University of Southern California since 1931.

KARL F. MEYER, A.B., D.V.M., Ph.D. Lecturer in Medicine (Public Health)

Hooper Foundation, The Medical Center, San Francisco.

A.B., University of Zurich, 1905; D.V.M., 1909; Ph.D., 1924. Director of the Hooper Foundation and Professor of Bacteriology, University of California Medical School, since 1924. At The University of Southern California since 1935.

ANGUS WRIGHT, A.B., M.D. Special Lecturer in Pathology

471 Science Building, University.

A.B., University of Utah, 1928; M.D., University of Rochester School of Medicine, 1931. Assistant in Pathology, University of Rochester School of Medicine, 1931-33; Instructor, 1933-37; Exchange Instructor in Pathology, Stanford University School of Medicine, 1934-35; Assistant Professor of Pathology, The University of Southern California, 1937-38; Special Lecturer, 1938- —.

ALBERT G. BOWER, M.S., M.D., Clinical Professor of Medicine (Communicable Diseases)

136 North Central Avenue, Glendale.

A.B., Stanford University, 1912; M.S., University of Chicago, 1914; M.D., Rush Medical College, 1916. Assistant in Anatomy, University of Chicago, 1915-16; Instructor in Hygiene and Bacteriology, 1916; Instructor in Medicine, College of Medical Evangelists, 1924-26; Assistant Professor of Medicine, 1926-29; Associate Professor of Medicine, 1929-31; Associate Clinical Professor of Medicine (Communicable Diseases), The University of Southern California, 1931-34; Clinical Professor, 1934- —.

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M.D., University of Western Ontario Medical School, 1899. Instructor in Otolaryngology, Los Angeles Medical Department of the University of California, 1909-15. At The University of Southern California since 1931.

RAY A. CARTER, A.M., M.D., Clinical Professor of Medicine (Radiology)

Los Angeles County Hospital.

A.B., The University of Southern California, 1908; A.M., 1911; M.D., The University of Southern California College of Medicine, 1913. Instructor in Materia Medica, The University of Southern California College of Medicine, 1916-17; Associate Professor of Medicine in Roentgenology, College of Medical Evangelists, 1929-31; Associate Clinical Professor of Medicine (Radiology), The University of Southern California, 1931-37; Clinical Professor, 1937- —.

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M.D., University of Nebraska College of Medicine, 1918; Associate Clinical Professor of Medicine (Radiology), The University of Southern California, 1932-37; Clinical Professor, 1937- —.

CARL FISHER, B.S., M.D., Clinical Professor of Surgery (Ophthalmology)

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B.S., Carleton College, 1901; M.D., Harvard University Medical School, 1905. Associate Professor of Ophthalmology, University of Minnesota Medical School, 1915-17; Associate Clinical Professor of Surgery (Ophthalmology), The University of Southern California, 1931-38; Clinical Professor, 1938- —.

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B.L., University of California, 1913; M.S., 1914; M.D., Rush Medical College, 1916; Associate Clinical Professor of Medicine (Dermatology), The University of Southern California, 1931-33; Clinical Professor, 1933- —.

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B.S., State University of Iowa, 1911; M.D., Rush Medical College, 1913; M.S. (Surgery), University of Minnesota, 1918. Associate Professor of Surgery, Mayo Foundation, Graduate School, University of Minnesota, 1927-30. At The University of Southern California since 1931.

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M.D., Medico-Chirurgical College of Philadelphia, 1899. Instructor in Neurology, Medico-Chirurgical College, 1907-10; Clinical Professor of Nervous and Mental Diseases, Temple University School of Medicine, 1910-20. At The University of Southern California since 1931.

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Ph.B., Otterbein College, 1892; Ph.M., 1897; A.M., 1905; LL.D., 1909; M.D., Cincinnati College of Medicine and Surgery, 1894. Lecturer, Medical Department, The University of Southern California, 1903-4; Professor of Medicine, 1905-9, 1914-20. At The University of Southern California since 1931.

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B.S., University of California, 1906; M.D., Johns Hopkins University, 1911; A.M., 1912. Assistant in Ophthalmology, Harvard University Medical School, 1916-18; Associate Clinical Professor of Ophthalmology, College of Medical Evangelists, 1928; Associate Clinical Professor of Surgery (Ophthalmology), The University of Southern California, 1931-38; Clinical Professor, 1938- —.

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B.S., State University of Iowa, 1927; M.D., State University of Iowa

College of Medicine, 1927. Instructor in Surgery, State University of Iowa College of Medicine, 1929-32; Assistant Professor of Surgery, The University of Southern California, 1932-37; Associate Professor, 1937- —.

CHARLES W. BONYNGE, M.D., Associate Professor of Experimental Medicine

1930 Wilshire Boulevard, Los Angeles.

M.D., The University of Southern California College of Medicine, 1903. Bacteriologist, Los Angeles County Milk Commission. At The University of Southern California since 1931.

EDWARD M. BUTT, A.B., M.D., Associate Professor of Pathology

471 Science Building, University.

A.B., Stanford University, 1924; M.D., Stanford University School of Medicine, 1929. Assistant Instructor in Pharmacology, Stanford University School of Medicine, 1926-28; Instructor in Pathology, 1928-30; Instructor in Pathology, The University of Southern California, 1931-32; Assistant Professor, 1932-35; Associate Professor, 1935- —.

ANSON P. S. HOYT, A.B., M.D., Associate Professor of Bacteriology

253 Science Building, University.

A.B., Yale University, 1921; M.D., Columbia University College of Physicians and Surgeons, 1925. Research Assistant, Department of Bacteriology, Columbia University College of Physicians and Surgeons, 1928-29; Instructor, 1929-30; Research Fellow, Department of Biology, California Institute of Technology, 1930-31; Instructor in Bacteriology, The University of Southern California, 1931-32; Assistant Professor, 1932-34; Associate Professor, 1934- —.

DANIEL BARTLETT MACCALLUM, B.S., Ph.D., M.D., Associate Professor of Anatomy

362 Science Building, University.

B.S., University of Chicago, 1920; Ph.D., 1923; M.D., Rush Medical College, 1926. Assistant, Associate, and Instructor, Department of Anatomy, University of Chicago, 1920-24; Instructor in Internal Medicine, University of Wisconsin Medical School, 1926. At The University of Southern California since 1930.

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M.D., Chicago College of Medicine and Surgery, 1913. Assistant in Medicine, Indiana University School of Medicine, 1914-15; Instructor in Anatomy, The University of Southern California, 1935-37; Associate Professor, 1937- —.

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B.S., University of Minnesota, 1922; M.B., 1924; M.D., University of Minnesota Medical School, 1925. Instructor in Obstetrics and Gynecology, Long Island College Hospital, 1926-28; Assistant Clinical Professor of Obstetrics and Gynecology, The University of Southern California, 1931-34; Acting Associate Professor, 1934- —.

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B.S., University of Nebraska, 1908; M.D., University of Nebraska College of Medicine, 1910. Instructor, Assistant Professor, and Associate Professor of Medicine, University of Nebraska College of Medicine, 1910-29. At The University of Southern California since 1930.

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A.B., University of Michigan, 1922; M.D., University of Michigan Medical School, 1925; M.S. (Otolaryngology), University of Pennsylvania School of Medicine, 1930. Assistant in Bacteriology, University of Michigan, 1921-22; Research Assistant in Pharmacology, 1923-24. At The University of Southern California since 1932.

CHARLES F. LOMBARD, A.B. Assistant in Pharmacology

842 West Thirty-seventh Street, Los Angeles.

A.B., The University of Southern California, 1933. At The University of Southern California since 1938.

JOHN P. LORDAN, B.S., M.D., Assistant in Surgery (Ophthalmology)

2007 Wilshire Boulevard, Los Angeles.

B.S., Indiana University, 1925; M.D., Indiana University School of Medicine, 1927. At The University of Southern California since 1934.

CARROLL A. MCCOY, A.B., M.D., Assistant in Surgery (Ophthalmology)

510 South Spring Street, Los Angeles.

A.B., George Washington University, 1925; M.D., University of Colorado School of Medicine, 1929. At The University of Southern California since 1932.

ALDEN H. MILLER, A.B., M.D., Assistant in Surgery (Otology, Rhinology, and Laryngology)

500 Lucas Avenue, Los Angeles.

A.B., The University of Southern California, 1927; M.D., Rush Medical College, 1932. At The University of Southern California since 1934.

WENDAL A. MORGAN, M.D. Assistant in Pathology

Los Angeles County Hospital.

M.D., Harvard University Medical School, 1935. Fellow in Pathology, The University of Southern California, 1938-39; Assistant, 1939-—.

HENRY R. NESBURN, B.S., M.D., Assistant in Surgery (Ophthalmology)

1680 North Vine Street, Hollywood.

B.S., Tufts College, 1927; M.D., Tufts College Medical School, 1931. At The University of Southern California since 1933.

THOMAS J. O'NEILL, M.D., Assistant in Obstetrics and Gynecology

1930 Wilshire Boulevard, Los Angeles.

M.D., St. Louis University School of Medicine, 1929. At The University of Southern California since 1935.

HELEN E. PRESTON, M.D., Assistant in Surgery (Ophthalmology)

1136 West Sixth Street, Los Angeles.

M.D., University of Michigan Medical School, 1930. At The University of Southern California since 1937.

MAURICE STERLING PRIVER, A.B., M.D., Assistant in Obstetrics and Gynecology

Los Angeles County Hospital.

A.B., The University of Southern California, 1932; M.D., The University of Southern California School of Medicine, 1936. At The University of Southern California since 1938.

SAUL S. ROBINSON, A.B., M.D., Assistant in Medicine (Dermatology)

1930 Wilshire Boulevard, Los Angeles.

A.B., University of California, 1925; M.D., University of California Medical School, 1929. Assistant, Department of Dermatology and Syphilology, Rush Medical College, 1930. At The University of Southern California since 1934.

GORDON ROSENBLUM, M.D., Assistant in Obstetrics and Gynecology

Los Angeles County Hospital.

M.D., The University of Southern California School of Medicine, 1935. At The University of Southern California since 1938.

HARRY J. SCHNEIDER, M.D. Assistant in Pathology

Los Angeles County Hospital.

M.D., Rush Medical College, 1935. At The University of Southern California since 1937.

BARNEY SILVER, M.D. Assistant in Surgery (Urology)

1712 North Highland Avenue, Los Angeles.

M.D., University of California Medical School, 1932. At The University of Southern California since 1936.

NATHAN M. SPISHAKOFF, M.D., Assistant in Medicine (Pediatrics)

Los Angeles County Hospital.

M.D., University of Colorado School of Medicine, 1936. At The University of Southern California since 1939.

CHARLES MONTGOMERY STEWART, M.D., Assistant in Surgery (Urology)

610 South Broadway, Los Angeles.

M.D., State University of Iowa College of Medicine, 1933. At The University of Southern California since 1938.

MATTHEW CHAFIN STURDEVANT, A.B., M.D., Assistant in Obstetrics and Gynecology

Los Angeles County Hospital.

A.B., University of Redlands, 1931; M.D., The University of Southern California School of Medicine, 1936. At The University of Southern California since 1938.

HOMER M. WALKER, M.D., Assistant in Surgery (Otology, Rhinology, and Laryngology)

412 West Sixth Street, Los Angeles.

M.D., Kansas City Medical College, 1905. At The University of Southern California since 1936.

WALTER E. WARD, B.S., Ph.D. Assistant in Bacteriology

351 Science Building, University.

B.S., University of California, 1935; Ph.D., University of Chicago, 1938. At The University of Southern California since 1938.

CARROL L. WEEKS, M.D., Assistant in Surgery (Ophthalmology)

2007 Wilshire Boulevard, Los Angeles.

M.D., Stanford University School of Medicine, 1933. At The University of Southern California since 1937.

DWIGHT D. YOUNG, A.B., M.D., Assistant in Obstetrics and Gynecology

1930 Wilshire Boulevard, Los Angeles.

A.B., Stanford University, 1923; M.D., Columbia University College of Physicians and Surgeons, 1928. At The University of Southern California since 1935.

HAROLD R. HOOVER, A.B., M.D. Fellow in Pathology

Los Angeles County Hospital.

A.B., University of California at Los Angeles, 1933; M.D., The University of Southern California, 1938. At The University of Southern California since 1938.

ELMER E. WADSWORTH, A.B., M.D. Fellow in Pathology

Los Angeles County Hospital.

A.B., The University of Southern California, 1933; M.D., 1937. At The University of Southern California since 1939.

SCHOOL OF MEDICINE COMMITTEE OF THE BOARD OF TRUSTEES

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THE SCHOOL OF MEDICINE OF THE UNIVERSITY OF SOUTHERN CALIFORNIA

General Statement

The School of Medicine of The University of Southern California was organized May 2, 1885, and in the spring of 1888 the first class was graduated. In 1908 this school transferred its affiliation to the University of California; and August 11, 1909, the College of Physicians and Surgeons, an organization established in Los Angeles in 1904, became affiliated with The University of Southern California. In 1920, due to inability to secure adequate financial support, this school was discontinued.

In May, 1928, the present School of Medicine was established by the Board of Trustees as an integral part of the University. It was ordered that the School of Medicine be administered by the Board of Trustees, the President of the University, and the all-University committees on Admissions, Curriculum, and Scholarship in the same manner as are the other schools and colleges of the University. The responsibility for appointments to the teaching staff and for the administration of regulations governing the classification of students was vested in an executive committee appointed by the Board of Trustees of the University.

On September 17, 1928, the School of Medicine admitted for instruction a freshman class of fifty-four students. Each subsequent year, with the exception of 1930-31, an additional year's work was offered, until in 1932-33 the complete five-year curriculum was available and the first class graduated. As in the past, the School will continue to limit the enrollment in the freshman class to fifty-four students.

Departments of Instruction

The faculty of the School of Medicine is organized into several departments, as follows, each with an administrative chief: Anatomy (including Histology), Bacteriology, Biochemistry, Medicine (and the medical specialties), Obstetrics and Gynecology, Pathology, Pharmacology, Physiology, and Surgery (including surgical specialties).

Clinical Facilities

Los Angeles, by reason of its situation and size, is an admirable location for a school of medicine. In the Los Angeles County Hospital opportunities for clinical observation and instruction are abundant. The wealth and variety of clinical material available in this institution make it pre-eminently advantageous for student, interne, and resident. The completion of a new building has greatly enlarged the capacity of this hospital, which now contains about 3,410 beds. In addition

to the services usually available in a general hospital, it contains a psychiatric unit and one devoted to contagious diseases. About 49,837 bed patients are cared for annually by this institution, whose out-patient department receives approximately 588,500 visits each year. The Children's Hospital also affords excellent facilities for the study of pediatrics and orthopedics. This is an institution of 180 beds with an out-patient service receiving about 81,346 visits annually.

Library Facilities

The Library of the School of Medicine, although begun only a few years ago, now consists of a good working collection of reference books and journals. At present it is housed in the basement of Bridge Hall, across the street from the Science Building on the University campus. Arrangements are made in order that students may use the facilities of the Library of the Los Angeles County Medical Association.

Admission

Admission Requirements. Admission to the first-year class of the School of Medicine requires the completion of a four-year high school course acceptable for admission to freshman standing in the College of Letters, Arts, and Sciences, and three full years of college work, totaling not fewer than 90 semester units, in a college or university approved by an accrediting agency acceptable to the Association of American Medical Colleges.

All candidates for admission to the School of Medicine are strongly urged to take the Scholastic Aptitude Test for Medical Students prepared by the special Committee of the Association of American Medical Colleges. Information regarding this test may be obtained from the deans of colleges of liberal arts or from the Secretary of the Committee, F. A. Moss, M.D., George Washington University, Washington, D.C.

The collegiate work presented for admission must include the minimum requirements of the Association of American Medical Colleges in general chemistry, organic chemistry, physics, biology, and English. In addition, courses in quantitative analysis, embryology, comparative anatomy, and French or German are required.

Requirements for Admission

The above minimum and additional requirements will be met if the 90 semester units of premedical work presented for admission include the equivalent of the following courses in the premedical curriculum at The University of Southern California. For descriptions of these courses, see the bulletin of the College of Letters, Arts, and Sciences.

		Semester units
Chemistry 2abL.	Inorganic Chemistry and Qualitative Analysis (lectures and laboratory)	8
Chemistry 50aL.	Analytical Chemistry: Introductory Quantitative Analysis, including Volumetric Analysis (lectures and laboratory)	3
Chemistry 122abL.	Organic Chemistry (lectures and laboratory)	8[2]
Zoology 1abL.	General Zoology (lectures and laboratory)	8
Zoology 100L.	Comparative Anatomy of Vertebrates (lectures and laboratory)	4[1]
Zoology 105L.	Embryology (lectures and laboratory)	4[1]
Physics 50abL.	General Physics (lectures and laboratory)	8
English 1ab.	Introductory Course, including Composition	6
French 1ab and 52ab, or German 1ab and 56ab		12[3]

The three-year premedical course offers fully the subject and unit requirements for admission to the School of Medicine. By an appropriate choice of electives in the premedical course it is possible for a student to secure an undergraduate major in either chemistry or biology, the chemistry and biology of the first year of medicine being taken into consideration. The completion of an undergraduate major in the three-year premedical course and the first year of medicine is required of those who seek both the A.B. and M.D. degrees. Students[4] who seek the A.B. degree must meet the lower division and general requirements of the University.

Recommended Three-Year Premedical Course

(Courses described in the bulletin of the College of Letters, Arts, and Sciences)

[1]A minimum of 3 instead of 4 semester units may be presented, provided such units represent a completed course in the subject described.
[2]A minimum of 6 instead of 8 semester units may be presented, provided such units represent a completed course in the subject described.
[3]Two years of French or German are required. One year may be completed in high school.
[4]See pages 35 and 36 in the bulletin of the College of Letters, Arts, and Sciences.

First Year

	Units 1st Sem.	2nd Sem.
Chemistry 2abL, Inorganic Chemistry and Qualitative Analysis	4	4
English 1ab, Introductory Course	3	3
English 50ab, Readings in English and American Literature	2	2
French 1ab or German 1ab	3	3
General Studies 2, Principles of Learning I	1	0
Mathematics 1ab, Elementary College Mathematics	2	2
[5]Physical Education Activities	1	1
Physical Education 49, Introduction to Health Education	0	1
	16	16

Second Year

[6]American Political Institutions	0	2
Chemistry 50aL, Analytical Chemistry: Introductory Quantitative Analysis	3	0
Fine Arts 58 or Music 91	0	2
French 52ab or German 56ab	3	3
General Studies 1ab, Man and Civilization	4	4
[5]Physical Education Activities	1	1
Zoology 1abL, General Zoology	4	4
	15	16

Third Year

Chemistry 122abL, Organic Chemistry	4	4
General Studies 51, Problems of Human Behavior	0	3
General Studies 52, Problems of Modern Society	3	0
Physics 50abL, General Physics	4	4
Zoology 100L, Comparative Anatomy of Vertebrates	4	0
Zoology 105L, Embryology	0	4
	15	15

Application for Admission. Applications for admission to the School of Medicine should be addressed to the Office of Admissions, The University of Southern California, Los Angeles. These should be received prior to March 1. Credentials supporting the application and all other information called for must be available promptly.

[5]To be selected from courses 2ab to 48ab inclusive.
[6]Either History 77, 2 units, or Political Science 55, 3 units.

Selection of Applicants. A limited number of applicants meeting the requirements for admission to the School of Medicine will be appointed each year to membership in the first-year class, the appointments being based on considerations of scholarship, character, personality, physique, and promise of future value in the medical profession. No applicant will be appointed whose average scholarship in premedical collegiate work is below C, and in general appointments are given only to students with averages of B– or higher in premedical studies. A personal interview is required of all applicants. Applicants will be accepted as soon as possible after requisite information has been received and following the personal interview. The personal interview, if warranted by the quality of the applicant's credentials or desirable for other reasons, will be arranged by the Dean of the School of Medicine after the application has been received and the applicant's credentials evaluated. Early applications are recommended; those received after March 1 cannot be given the same consideration as earlier applications.

Notice of Appointment. Notice of appointment to the first-year class will be sent to successful applicants. Written acceptance of the appointment, accompanied by an acceptance fee of twenty-five dollars, must be received by the Office of Admissions within ten days after notification of appointment.

The fees accompanying acceptances are not refundable, but may be applied as part payment of the tuition fees.

Admission with Advanced Standing. A student from another medical school may be admitted to advanced standing, provided (1) that there is a vacancy in the class; (2) that the applicant's premedical training fully meets the requirements for admission to this school; and (3) that the medical faculty is willing to accept the work done elsewhere as a satisfactory substitute, both in content and quality, for that portion of the curriculum from which he may be excused. Any student applying for admission with advanced standing may be required to qualify by passing a comprehensive examination or examinations in individual subjects. No student may be registered in the fourth year of the medical course who has not successfully completed the third year of the medical course in this school.

No individual possessing the degree of Doctor of Medicine may be registered as an undergraduate medical student. No individual possessing the degree of Doctor of Medicine may be registered as a graduate student unless his premedical and undergraduate training is considered to be the substantial equivalent of that required in this University.

Applicants for admission with advanced standing are required to file their applications with the Director of Admissions, who together with the Dean of the School of Medicine will determine whether the requirements have been met.

Scholarship

A student failing in any one subject may be permitted to repeat the work in whole or in part or to take another examination, or both, provided his general average, including the subject in which he failed, is C or above for the entire year.

A student who has failed to maintain an average of C in the required work of any year, but who has passed in all subjects, shall be given an opportunity to demonstrate his fitness for further study of medicine before a committee of the faculty to be appointed by the Dean. In accordance with the recommendation of this committee, the student shall be permitted or denied further registration. In order to avail himself of this opportunity, a student shall make written request therefor, within three days of the time when he is notified of his standing, and the examination shall be held within one week of the filing of his request.

Written or oral quizzes, recitations or examinations are given from time to time in several courses of lectures or clinics but are given in the time regularly assigned to such work and do not interfere with other work in progress.

In the third and fourth years the rating of students in medicine and surgery is determined not only by the final examination, which may include questions concerning subordinate subjects, but any marks given during the progress of any of the major or subordinate subjects or elective courses are taken into consideration in determining the final mark.

In the third and fourth years, the subjects to which the two regulations governing the promotion of students, as stated in the first two paragraphs of this section, will apply are four for the third year and three for the fourth year, namely, the principal subjects indicated as comprising the final examinations.

Subjects of Study

In the first year four subjects are included, a final examination and a mark being given in each subject:

Gross Anatomy
Biochemistry
Histology
Anatomy of the Nervous System

In the second year, final examinations and marks are given in nine subjects:

Bacteriology and Immunology
Clinical Laboratory Methods
Obstetrics
Parasitology
General Pathology
Special Pathology
Pharmacology
Physical Diagnosis
Physiology

In the third and fourth years final examinations are given at the end of each year as follows:

Third Year (4 examinations)
(1) Pathology
(2) Medicine—to include the following:
Dermatology
Neurology
Pediatrics
Public Health
Radiology
(3) Surgery—to include the following:
Anesthesia
Ophthalmology
Orthopedics
Otology, Rhinology, and Laryngology
Urology
(4) Obstetrics and Gynecology

Fourth Year (3 examinations)
(1) Medicine—to include the following:
Dermatology
Neurology
Pediatrics
History of Medicine
Medical Jurisprudence and Economics
Therapeutics
(2) Surgery—to include the following:
Ophthalmology
Orthopedics
Otology, Rhinology, and Laryngology
Urology
Neurosurgery
Oral Surgery
(3) Obstetrics and Gynecology

The Fifth Interne Year

Following the completion of the fourth year, students are required to secure an interneship in a hospital approved for interneship by the Executive Committee. They are required to register for this fifth year, no fee being charged for such registration, and to make such reports from time to time during the progress of the interneship as may be required by the Executive Committee or its representatives. Conferences or examinations may be required of fifth-year students during or at the end of the interne year before recommendation for the degree of Doctor of Medicine. In special cases a year of laboratory work may be substituted for the interne year.

Degrees

The Degree of Doctor of Medicine. The five-year course in the School of Medicine leads to the degree of Doctor of Medicine (M.D.). The fifth year must be spent in practical medical work under competent supervision. The degree is not conferred until after the satisfactory completion of this requirement.

The Degree of Bachelor of Arts. A student may receive the degree of A.B. at the end of the first year in the School

of Medicine, if he has met the admission requirements for that degree; has completed, in the College of Letters, Arts, and Sciences, 94 units with ninety-four grade points computed on those units, of which at least 28 units have been completed at The University of Southern California, and has included the lower division and *general requirements and the requirements for admission to the School of Medicine; and has completed the prescribed work (32 units) of the first year for the degree of M.D. For the undergraduate degree, the student must present a specified number of required and elective units and at least an equal number of grade points computed on these units.

If the student has met all subject requirements, but enters the School of Medicine with a minimum of 90 units, with at least an equal number of grade points computed on these units, he may substitute units in the fundamental sciences of the second year of medicine for the units he is lacking in the College of Letters, Arts, and Sciences.

The Degrees of Master of Arts and Doctor of Philosophy. Most of the courses included in the curriculum of the first two years of the medical course are accepted by the Council on Graduate Study and Research for graduate credit. Properly qualified individuals may pursue special work in the preclinical departments leading to the master's and doctor's degrees.

Special courses in preclinical and clinical subjects not leading to any degree are offered from time to time for those possessing the degree of Doctor of Medicine.

Fees and Expenses

†Tuition for college year (including acceptance fee).... $400.00

This fee may be paid at time of registration at the beginning of the first semester or in two installments of $200; one at the beginning of the first semester, the second at the beginning of the second semester.

Registration fee, per semester (required of all students and not refundable)..... 11.00

Library fee, per semester..... 5.00

‡Deposits:

First year—

Histology 10.00

Biochemistry 10.00

*The general requirements, with the exception of the two units of United States Constitution or its equivalent, will not be required of transferring premedical students who enter the University at the beginning of their fourth year.

†Students discontinuing their work at any time during the first semester will be charged a tuition fee of $200. If they have paid the tuition fee of $400 for the whole year they may receive a refund of $200. No refunds of tuition are available for students discontinuing their work during any part of the second semester.

‡At the end of the year, after the cost of equipment broken is deducted, the balance is refunded.

Second year—	
Bacteriology and Pathology	$ 10.00
Physiology and Pharmacology	10.00
Late registration	3.00
This fee is charged if tuition and fees are not paid before the first day of instruction. Registration must be completed on the days appointed for the registration of each class. No student will be permitted to register later than the last day of the first week of instruction.	
Diploma fee	10.00
Special examinations. A fee of three dollars is charged for each of the following special examinations: 1. Examinations for credit on work for which special credentials cannot be supplied. 2. Examinations to make up grades of Ie. 3. Examinations given outside regular examination schedule.	
County Hospital fee	$2.50 to 5.00
Clinical Obstetrics fee	10.00
X-ray fee	2.00

The University reserves the right to change without notice any of the rates printed in this bulletin.

Each student is required at the beginning of the course to provide himself with a satisfactory microscope. It is recommended that the purchase of the microscope be deferred until after consultation with a member of the faculty. The cost of books, instruments, gowns, et cetera, varies from year to year but on the average is about $50.00 to $70.00 annually.

Board and room are provided in the Residence Halls at the lowest reasonable cost. A limited number of men in the professional schools can be accommodated in Aeneas Hall. Rooms are engaged by the semester and cannot be vacated within that time. The cost per semester, of room and board six days a week in Aeneas Hall, is from $180 to $195 for a single room and from $155 to $170 for a double room. Fees are payable by the semester, and a deposit of $10 (not refundable) must accompany application for rooms. This deposit is deducted from the amount payable at registration. Students residing in the dormitory must make a breakage deposit of $10.00. After the cost of damages is deducted, the balance is refunded at the end of the year.

All inquiries concerning fees and accommodations at Aeneas Hall and the requests for reservations should be addressed to the Manager of Aeneas Hall, 837 West Thirty-sixth Place.

Room and board may be obtained in private homes at a cost ranging from $35 to $50 per month.

COURSES OF INSTRUCTION IN MEDICINE

Place, Unit Value, and Semester Designations

The symbols for place designations here used should be interpreted as follows: U.P. *indicates that the course is offered on the University Park Campus;* Co. H., *at the Los Angeles County Hospital.*

The unit value for each course is indicated for each semester by a numeral in parentheses following the hour designation.

The symbol I *indicates first semester of the academic year;* II, *second semester;* I, II, *both first and second semesters; and* I-II, *throughout the year.*

*Course numbers preceded by the symbol * are available for graduate credit.*

Department of Anatomy

Honorary Professor: Barnhill
Professor: McKibben (Head of Department)
Associate Professors: MacCallum, Mellinger
Instructors: Bartosh, Fulton, Patek, Snow

FIRST YEAR

***300ab. Gross Human Anatomy.** A complete dissection of the human body. Occasional lectures and recitations. At the beginning of the course several lectures are given introductory to the work in the dissecting room.

The bones and gross sections of the body are studied in connection with the dissection of each region.

When the dissection of the abdomen begins, the development of the human body with special reference to the circulatory, respiratory, gastrointestinal, and genitourinary systems is considered.

The dissection is divided into the following parts:

(1) Dissection of the upper extremity.
(2) Dissection of the lower extremity.
(3) Dissection of the abdomen.
(4) Dissection of the thorax.
(5) Dissection of the head, neck, and back.

Examinations are given immediately on the completion of each part, and a general examination covering the gross anatomy of the whole body concludes the course.

U.P. (500 hrs.) (7-7) I-II. McKibben and Staff

***310. Human Histology.** A study of certain elements of cytology, histology, and organology. It covers in a general way all tissues and organs of the body, but special emphasis is placed on the study of the circulatory, respiratory, alimentary, genitourinary, and endocrine systems. The development of certain organs is considered, and frequent use is made of fresh

tissues. Lectures, demonstrations, and recitations are given as required.
U.P. (168 hrs.) (5) I. MacCallum and Staff

***320. Anatomy of the Nervous System.** A course given in conjunction with the dissection of the head and neck. A detailed study of the spinal cord is first undertaken. This is followed by the dissection of the brain of the sheep and the dissection of the human brain. A study of microscopic sections of the brain stem and the cerebral cortex follows the dissection of the human brain; and the connections of the more important conduction pathways within the central nervous system are dealt with, as well as the structure and connections of the organs of special sense. Functional relationships are stressed rather than morphological detail. Lectures and demonstrations are given as required.
U.P. (112 hrs.) (4) II. McKibben, MacCallum, and Staff

GRADUATE COURSE

280ab. Research in Anatomy. Materials and equipment are available for investigation by those properly qualified.
U.P. (2-6—2-6) I-II. McKibben, MacCallum

Department of Biochemistry

Professor: Deuel (Head of Department)
Assistant Professor: Butts
Instructor: Blunden

FIRST YEAR

***340ab. Biochemistry.** A consideration of the physical chemical basis of life processes and the chemical composition of the tissues and secretions, with special attention to the metabolism of the human body.
U.P. (88 hrs.) (3) I—(168 hrs.) (6) II. Deuel and Staff

GRADUATE COURSES

200L. Biochemistry. (Advanced.) Individual and group instruction for students who have had an elementary course equivalent to 340ab. A knowledge of physiology and organic chemistry is also requisite. A laboratory course including the separation, purification, and identification of various products of biochemical interest.
U.P. (2-4) I, II. Deuel and Staff

240ab. Seminar in Biochemistry. Students are required to prepare abstracts of papers appearing in English, German, and French biochemical literature; these are discussed in connection with recent advances in biochemistry and physiology. Open to students having a comprehensive knowledge of biochemistry.
U P. (2-2) I-II. Deuel and Staff

242L. Theoretical and Practical Considerations in Vitamin Study. The chemistry and physiology of the vitamins; the critical evaluation of analytical methods of determination. Chemical and biological assays of the various vitamins. *Prerequisite:* previous training in chemistry, biochemistry, physiology, and other biological and preclinical subjects. Lecture, 1 hour; laboratory and related work, 6 hours.

U.P. (3) I—offered 1939-40 and alternate years.

Deuel and Staff

244L. Theoretical and Practical Considerations in Hormone Study. The chemical nature of the hormones; the evaluation of analytical methods of determination. Chemical and biological assays of the various hormones. *Prerequisite:* previous training in chemistry, biochemistry, physiology, and other biological and preclinical subjects. Lecture, 1 hour; laboratory and related work, 6 hours.

U.P. (3) I—offered 1940-41 and alternate years.

Deuel and Staff

246. Metabolism in Health and Disease. The effects of various physiological conditions on the intermediary metabolism of foodstuffs. Basal metabolism in normal and abnormal states. *Prerequisite:* previous training in chemistry, biochemistry, physiology, and other biological and preclinical subjects. Lecture, 2 hours.

U.P. (2) II—offered 1939-40 and alternate years.

Deuel and Staff

282ab. Research in Biochemistry. Open to graduate students properly qualified in biochemistry and physiology. Hours to be arranged.

U.P. (2-6—2-6) I-II. Deuel and Staff

Department of Physiology

Professor: Drury (Head of Department)
Assistant Professor: Greeley
Instructors: MacColl, Martin

SECOND YEAR

***400. Physiology.** Lecture, library, and laboratory work in the mechanics of living matter, with special reference to man. The activities of tissues as systems for integrated action in the interests of the body as a whole will be presented in detail.

U.P. (256 hrs.) (7) I. Drury and Staff

GRADUATE COURSES

250ab. Seminar in Physiology and Pharmacology. Offered jointly by the staffs in Physiology and Pharmacology. Students are required to prepare abstracts of papers appearing in

English, German, and French physiological and pharmacological literature. Open to properly qualified students.
U.P. (2-2) I-II. Drury, Thienes

274L. Quantitative Physiology. The standard quantitative procedures used in functional pathology, including methods for studying general and special metabolism and the circulatory, respiratory, and renal systems. Open to advanced students in physiology.
U.P. (2-4) I, II. Drury and Staff

284ab. Research in Physiology. Properly qualified students will be permitted to engage in investigation. Hours and credits to be arranged.
U.P. (2-6—2-6) I-II. Drury and Staff

Department of Pharmacology

Professor: Thienes (Head of Department)
Instructor: Leser
Assistant: Lombard

SECOND YEAR

***410. Pharmacology and Toxicology.** Experiments and discussions dealing with the actions, chemical nature, sources, official preparations, and dosage of such drugs and poisons as are of importance in the practice of medicine.
U.P. (200 hrs.) (5) II. Thienes and Staff

GRADUATE COURSES

230. Seminar in Applied Pharmacology. Students will prepare reports on recent experimental and clinical developments in chemical therapeutics. For properly qualified students.
U.P. (2) I, II. Thienes and Staff

250ab. Seminar in Physiology and Pharmacology. Offered jointly by the staffs in Physiology and Pharmacology. Students are required to prepare abstracts of papers appearing in English, German, and French physiological and pharmacological literature. Open to properly qualified students.
U.P. (2-2) I-II. Thienes, Drury

276L. Advanced Toxicology. Discussion of etiology, symptoms, pathology, diagnosis, and treatment of poisoning; laboratory exercises on the isolation and identification of important toxic substances from tissues and body fluids. For properly qualified students.
U.P. (2) I, II. Thienes and Staff

286ab. Research in Pharmacology. Properly qualified students will be permitted to engage in investigation. Hours and credits to be arranged.
U.P. (2-6—2-6) I-II. Thienes and Staff

Department of Pathology

Professor: Hall (Head of Department)
Lecturer: Wright
Associate Professor: Butt
Assistant Professor: Budd
Instructors: Edmondson, Tragerman
Assistants: Goto, Morgan, Schneider
Fellows: Hoover, Wadsworth

SECOND YEAR

*450. **General Pathology.** Lectures and laboratory work dealing with the fundamental disease processes, including disturbances of the circulation, degenerative and proliferative cellular reactions. Inflammation and tissue repair considered in detail.

U.P. (144 hrs.) (6) I. Hall and Staff

*451. **Pathology of Tumors.** A continuation of 450. Lectures and laboratory exercises considering the biology, gross and microscopic pathology of benign and malignant tumors common to the various systems and organs. A loan set of microscopic preparations furnished each student.

U.P. (35 hrs.) (2) II. Hall and Staff

Special Pathology

*452. **Pathology of the Infectious Diseases.** The acute bacterial infections, the virus diseases, and the infectious granulomata are considered. A demonstration of gross autopsy material each week.

U.P. (35 hrs.) (2) II. Hall and Staff

THIRD YEAR

550. **Pathology of Chronic Diseases.** A consideration of the more chronic diseases of the blood vessels, kidneys, liver, and gastrointestinal tract. The pathology of the endocrine glands. A conference and diagnostic exercise on gross autopsy material each week.

Co. H. (64 hrs.) I. Butt, Hall, and Staff

Students are expected to attend as many autopsies as possible. Students are required to witness autopsies performed on patients for whom they have been responsible as Clinical Clerks on the Wards. Each student is required to prepare at least five autopsy protocols.

FOURTH YEAR

Clinical Pathological Conference. Once a week throughout the year.

Co. H. (32 hrs.). Hall and Staff

GRADUATE COURSES

270ab. Seminar in Pathology. Current literature in the field of pathology embracing the important journals in English, German, and French are abstracted and discussed. Important advances in the field are considered. Primarily for the staff, but open to a limited number of advanced students.
Co. H. (2-2) I-II. Hall and Staff

290ab. Research in Pathology. Open to properly qualified students who have completed courses 450, 451, and 452.
U.P. (2-6—2-6) I-II. Hall and Staff

Department of Bacteriology

Professor: Kessel (Head of Department)
Associate Professor: Hoyt
Instructors: Arthur, Fisk
Assistants: Cavell, Ward

SECOND YEAR

***440. Bacteriology.** The bacteria, rickettsiae, spirochetes, and filterable viruses which serve as etiologic agents in human disease are studied with reference to their morphologic and physiologic characteristics, their epidemiologic relationship and their pathogenicity in man and animals. Courses 440 and 441 are given in combination.
U.P. (112 hrs.) (4) I. Kessel, Hoyt, and Staff

***441. Serology and Immunology.** A basic course emphasizing the principles underlying infection and resistance. The student is required to familiarize himself with the practical laboratory procedures based on these phenomena.
U.P. (56 hrs.) (2) I. Hoyt, Kessel, and Staff

***442. Medical Parasitology and Mycology.** The protozoa, helminths, and insects important as the causes and vectors of disease are studied, special emphasis being placed on the laboratory diagnosis and clinical manifestations of the parasitic diseases most commonly encountered in this region. One portion of the course is devoted to the special consideration of the pathogenic fungi, many of which are endemic in California.
U.P. (112 hrs.) (3) II. Kessel and Staff

GRADUATE COURSES

260ab. Seminar in Microbiology. Reports and discussions on recent advances in bacteriology, mycology, parasitology, or serology. Open to qualified students and physicians.
U.P. (2-2) I-II. Kessel and Staff

272. **Filterable Viruses.** Lectures, conferences, and laboratory work on the viruses responsible for diseases of plants, animals, and man. Open to properly qualified students.
U.P. (2) II. Hoyt, Fisk

288abL. Research in Bacteriology and Parasitology.
U.P. (2-6—2-6) I-II. Kessel and Staff

Department of Medicine

Honorary Professor: Dock
Professor: Raulston (Head of Department)
Clinical Professors: Bower, Mason, Pottenger, Smith, Stone, West
Associate Clinical Professors: Anderson, Berman, Boeck, Cunningham, Keeney, Kristensen, Lacey, Leake, Nathanson, Ruddock, Shelton, Strouse, Thomas, Ware, Webster
Assistant Professors: Noble, Roberts
Assistant Clinical Professors: Askey, Beckett, Bennett, Bittner, Coffin, Hamilton, Hare, Hoffman, Houck, Kahn, Martin, Nevius, Otto, Rapaport, Sampson, Shambaugh, Van Scoyoc, Vener
Instructors: Armen, Boland, Bosworth, Brown, Bullock, Burns, Cates, Corlette, Crane, Cummings, Cunnane, Davison, Dennis, Donelan, Dougherty, Duvall, Evans, Fitzgibbon, Francis, Goodman, Grishaw, Kay, Kellogg, Lynch, McClelland, McCune, Marxer, Meals, Miller, Murray, Nelson, Pottenger, Prinzmetal, Reding, Reynolds, Rosove, Scoins, Smart, Tyroler, Whalen

Dermatology

Lecturer: Goeckerman
Clinical Professor: Frost
Associate Clinical Professors: Campbell, Chambers, Wilhelm
Instructors: Anderson, Halloran, Scholtz
Assistant: Robinson

Experimental Medicine

Associate Professor: Bonynge
Instructor: Townsend

Neurology

Clinical Professor: Ingham
Associate Clinical Professors: Carter, Nielsen
Assistant Clinical Professor: Ziskind
Instructor: Von Hagen

Pediatrics

Emeritus Professor: Dietrich
Lecturer: Karshner
Clinical Professors: Rothman, Stork
Associate Clinical Professors: Berkley, Fish, Happ, Reiss
Assistant Clinical Professors: Dietrich, Nixon
Instructors: Billington, Cooder, Harrison, Pettet, Shelby

Public Health and Preventive Medicine

Professor: Lamson
Emeritus Lecturer: Reynolds
Lecturers: Geiger, Heterick, Kellogg, Meyer
Instructor: Bacon

Radiology

Clinical Professors: Carter, Davis
Assistant Clinical Professors: Bailey, Costolow, Johnson
Instructors: Judson, Mershon

SECOND YEAR

480. Physical Diagnosis. Demonstrations and practice in the methods of physical diagnosis. An attempt is made to have the student recognize average normal and, as far as possible, contrast these with abnormal conditions. During the last four weeks of the course students are assigned to wards in the hospital for practice in history writing and physical examination of patients. Complete records are submitted by each student to his instructor for correction and discussion.
Co. H. (96 hrs.) (2) II. Anderson and Staff

482. Clinical Laboratory Methods. Practice in the use of methods necessary for routine clinical work. The student makes examinations of urine, gastric contents, feces, sputum, blood, and cerebro-spinal fluid.
U.P. (96 hrs.) (3) II. Butt, Nelson, and Assistants

Neurology. Lectures, review of anatomy and physiology as related to the central nervous system, followed by introduction to pathological variations.
(16 hrs.) I. Ingham, Nielsen

THIRD YEAR

580ab. Third Year Medicine.
Co. H. (803 hrs.).

Ward Work in General Medicine. (Medical Clerkship.) Work begins immediately after the end of the second year. Each student spends half of the summer between the second and third years, approximately eight weeks, in the wards of the medical service in the Los Angeles County Hospital. All new patients entering these wards are assigned to the clinical clerks for a complete work-up, history, physical examination, and routine laboratory work. The clerk's record constitutes

a part of the permanent hospital chart of the patient. There are no formal or set exercises during this period.
(280 hrs.).

During the first semester of the third year the entire class is assigned to the medical wards of the Los Angeles County Hospital for clinical clerkship. The work is a continuation of that done during the preceding summer, with the addition of four bedside conferences for each group of six to eight students each week. These exercises are under the direction of the senior attending physician on the ward, but the record of the patient under consideration is always presented by the student responsible for that patient.
(204 hrs.) I.

In the second semester the class is divided into two groups, each of which spends half of the semester in the medical wards. Groups of six students are assigned weekly to special problems in clinical medicine. They study groups of patients with diseases that involve predominantly certain systems of the body, and are required to report upon the patients studied and the literature dealing with the subject in question.
(80 hrs.) II.

Askey, Hare, Hoffman, Kahn, Keeney, Leake, Martin, Noble, Raulston, Ruddock, Shambaugh, Thomas, Ware, Webster, West

***Clinic in General Medicine.**
(32 hrs.) I-II. Mason

Pediatrics. Lectures dealing with growth and development, infant feeding, disease of the newborn, and contagion.
(32 hrs.) I-II. Dietrich, Happ, Reiss, Rothman

The class is divided into groups of about eight students for ward demonstrations of the management of the newborn and of contagious diseases.
(4 hrs.) II. Rothman, Reiss

Dermatology. Lectures and demonstrations.
(16 hrs.) II. Anderson

Psychiatry. Lectures and presentation of patients in clinic.
(16 hrs.) II. Ingham

Clinical-Radiological Conference. Diagnosis and radiotherapy.
(16 hrs.) I-II. Carter, Costolow

*Attended by students of the third and fourth year classes.

Radiology. Lectures with demonstration of films and lantern slides.
(11 hrs.) I. Davis

Clerkship in Neurology. Wards for disease of the central nervous system. 8:30 to 11:15 daily for four weeks (included in Medical Clerkship).
Ingham, Nielsen, and Staff

Therapeutics.
(32 hrs.) I. Roberts

Tuberculosis. Set clinic on pulmonary tuberculosis.
(16 hrs.) II. Bennett, Cunningham, Pottenger

In the second semester, two weeks of the clinical clerkship are spent on wards for tuberculosis patients.
Bittner, Bosworth, Miller, Smart

Conferences on Special Topics in Internal Medicine.
(48 hrs.) I-II.
Berman, Leake, Noble, Raulston, Ware, Webster, West

Public Health and Preventive Medicine

Lectures on Preventive Medicine and Public Health.
(32 hrs.) I-II.

Survey of Some Practical Problem Connected with Preventive Medicine or Public Health. To be completed during either third or fourth year.
(About 96 hrs.). Lamson

FOURTH YEAR

680ab. Fourth Year Medicine.
Co. H. (679 hrs.).

Out-patient Service, General Medicine. During the summer vacation students who have completed the third year begin work in the out-patient department. The class is divided into sections, each section being on duty for a portion of the summer.
(80 hrs.).

One third of the class during each clinical period. The group is subdivided for forenoon work in out-patient departments for tuberculosis, heart disease, neurology, allergy, and syphilis: Four mornings, 9:30 to 11:15. The entire group spends five afternoons per week, 1:00 to 5:00, in the out-patient department in general medicine.
(240 hrs.—one clinical period).
Cates, Houck, Raulston, Roberts, Sampson

***Clinic in General Medicine.**
(32 hrs.) I-II. Mason

Clinical Pediatrics. The entire class will spend Wednesday morning at the Children's Hospital. Two hours will be devoted to a clinic in pediatrics where students previously assigned will present patients.
(64 hrs.) I-II. Dietrich, Rothman, and Staff

Contagious Diseases. One third of the class will spend three hours a week in ward rounds and demonstrations during the clinical period.
(33 hrs.). Bower and Staff

Neurology. The section attending the medical out-patient service will spend two mornings a week in Neurology Clinic.
(48 hrs.) Ingham, Nielsen, and Staff

Dermatology. Out-patient service during one clinical period.
(36 hrs.). Frost, Chambers, and Staff

Syphilis. Groups of five to eight students in out-patient clinic for diagnosis and treatment of syphilis.
(60 hrs.).

Psychiatry. Clerkship on psychiatric wards.
(60 hrs.). Ingham, Carter

Medical Jurisprudence and Economics. Six lectures.
(6 hrs.).

Dietetics. Groups of eight students will spend four hours a week for five weeks on the subject of dietetics. Lectures and practical experience. Each student is required to weigh his diet and make an accurate detailed report covering a period of one week.
(20 hrs.).

Elective Courses

Diseases of the Gastrointestinal Tract. An intensive study for a small group. Second or third clinical period.

Neuropsychiatry. Ward and out-patient work.

Syphilis. By the staff in dermatology with special reference to treatment.

Pediatrics. Out-patient work.

*Attended by students of the third and fourth year classes.

Department of Surgery

Professor: Rowan (Head of Department)
Lecturer: Lobingier
Clinical Professors: Hunt, Kahn, Moore, Shoemaker, Sturgeon, Toland
Associate Professor: Berne
Associate Clinical Professors: Bayley, Chaffin, Daniels, Dodge, Murrieta, Schiffbauer, Sherry
Assistant Clinical Professors: Cunnane, Kiskadden, Larson, Norris, Olch, Sebastian
Instructors: Askey, Chipman, Cooper, Flamson, Henry, Hillyard, Johnson, Kroger, O'Neill, Paine, Pallette, Pattison, Reed, Schmoele, Snyder, Totten, Vinetz
Assistants: Belt, Garfield

Anesthesia

Associate Clinical Professor: Guedel
Instructor: Heissig

Neurological Surgery

Clinical Professor: Rand
Assistant Clinical Professors: Adelstein, Patterson
Instructor: Raney

Ophthalmology

Clinical Professors: Fisher, Irvine, Walker
Associate Clinical Professors: Dow, LaMotte
Instructors: Cady, Endres, Kinney, Miller
Assistants: Irvine, Lordan, McCoy, Nesburn, Preston, Weeks

Oral Surgery

Associate Clinical Professors: McCoy, Tholen
Instructor: Balyeat

Orthopedic Surgery

Clinical Professor: Wilson
Associate Clinical Professor: Dunlop
Assistant Clinical Professors: Stewart, Thurber
Instructors: Mathews, McKeever, McMaster, Meade, Plimpton, Shelton, Thompson, Walker

Otology, Rhinology, Laryngology

Emeritus Professor: Hastings
Clinical Professor: Brown
Associate Clinical Professors: Detling, Jesberg, Lewis, Linthicum, Viole
Assistant Clinical Professors: Guggenheim, Pohlman
Instructor: Bowman
Assistants: Bullis, Goldberg, Hall, Keiper, Miller, Walker

Urology

Associate Clinical Professors: Crane, Ferrier, Hager, Scholl
Assistant Clinical Professors: Fieseler, Rusche
Instructors: Bacon, Bennetts, Craig
Assistants: Silver, Stewart

THIRD YEAR

500ab. Third Year Surgery.
Co. H. (261 hrs.).

Principles of Surgery. A conference course on the principles of surgery. Three hours each week during the first semester of the third year.
(48 hrs.) I. Berne

Clinic in General Surgery. Demonstration clinics are held for one hour each week during the third year. These are clinics in which special attention will be given to direct and differential diagnosis and indications for treatment.
(32 hrs.) I-II. Rowan and Staff

Dispensary Clinics. The class is divided into sections and for one half of the second semester work in minor surgery in the Out-patient Department for two hours three days each week.
(48 hrs.). Rowan and Staff

Emergency Surgery. Groups of three or four students attend the service of the Los Angeles Receiving Hospital for periods of one week during the second semester.
(15 hrs.). Dodge and Sebastian

Urology. Conference course for one hour each week during the second semester.
(16 hrs.). Fieseler

The class divided in sections spends two hours each week for one half of the second semester in clinical work in urology.
(16 hrs.). Ferrier, Hager, Fieseler, Craig

Bone and Joint Surgery. Clinical conference course two hours each week during the second semester.
(32 hrs.). Wilson and Staff

Ophthalmology. Conference course on the commoner diseases of the eye, one hour each week during the second semester.
(16 hrs.). Staff

Otologoy, Rhinology, and Laryngology. Conference course one hour each week during the second semester.
(16 hrs.). Brown and Staff

Anesthesia. Conference course each week for six weeks during the second semester.
(6 hrs.). Guedel

Proctology. Conference course one hour each week for six weeks during the second semester.
(6 hrs.). Murrieta

Clinical conference course in which students spend four hours in diagnostic clinic in small groups.
(4 hrs.). Murrieta

Neurological Surgery. Conference course one hour each week for six weeks during the second semester.
(6 hrs.). Patterson and Adelstein

FOURTH YEAR

600ab. Fourth Year Surgery.
Co. H. (399 hrs.).

Ward Work in Surgery (Surgical Clerkship). One third of the class is divided into two sections, these students serving as clinical clerks in the surgical wards during one clinical period of eleven weeks. Members of the staff will make ward rounds with each section for two hours four days each week. During this period the students will give anesthetics under supervision.
(176 hrs.). Bayley, Rowan, Sherry, Shoemaker, Sturgeon

Demonstration Clinic in Surgery. One hour each week throughout the year. Includes clinics in neurosurgery, proctology, chest surgery, orthopedic surgery, and oral surgery.
(32 hrs.). Rowan and Staff

Orthopedic Surgery. A clinical conference course is given to the entire class for two hours a week for thirteen weeks during the fourth year.
(26 hrs.). Wilson and Staff

Urology. Conferences and ward rounds during one clinical period.
(12 hrs.). Crane and Ferrier

Ophthalmology. Clinical conference for two hours twice each week to small groups during one clinical period.
(22 hrs.). Staff

Otology, Rhinology, and Laryngology. Clinical conference course two hours each week to small groups during one clinical period.
(22 hrs.). Brown and Staff

Surgical Pathology. Each section of the surgical clerkship group meets for two hours once each week during the clerkship period.
(22 hrs.). McMaster

Lectures in Surgery. Conference course on abdominal surgery one hour each week during the year.
(32 hrs.).

Emergency Surgery. Each section of the surgical clerkship group meets for five hours one night each week during the clerkship period at the County Hospital.
(55 hrs.). Berne

Chest. (Included in Surgical Clerkship.)
Schiffbauer

Fractures. (Included in Surgical Clerkship.)
Wilson and Staff

Neurological Surgery. (Included in Surgical Clerkship and demonstration clinic.)
Rand

Oral Surgery. (Included in Surgical Clerkship.)
Tholen and Staff

Elective Courses

Ophthalmology. Training in refraction, and practical instruction in diagnosis and treatment of the eye in the Out-patient Department.
(Third clinical period.)

Otology, Rhinology, and Laryngology. Out-patient work.

Department of Obstetrics and Gynecology

Professor: McNeile (Head of Department)
Lecturer: Bassett
Clinical Professor: Shaw (Gynecology)
Acting Associate Professor: Tollefson
Associate Clinical Professors: Hanley, Krahulik
Assistant Clinical Professors: McBurney, Marshall
Instructors: Baldwin, Drane, Fagan, Henriksen (Gynecology), Judd, Krohn, McCarthy, McCausland, McDermott, Page, Reynolds, Rogers, Silton, Spencer, Stilwell, Webb
Assistants: Gafford (Gynecology), Harris, O'Neill, Priver, Rosenblum, Sturdevant, Young

The work in obstetrics and gynecology consists of recitations, conferences, clinical lectures, ward rounds, prenatal and postpartum clinics, attendance upon cases in labor, and manikin practice. All work is supervised by a member of the staff.

SECOND YEAR

420. **Introduction to Obstetrics and Gynecology.** The female pelvis and genitalia, puberty and menstruation, reproduction, developmental anomalies, anatomy, physiology and diagnosis of pregnancy.
U.P. (16 hrs.) (1) II.

THIRD YEAR

520ab. Third Year Obstetrics and Gynecology.
Co. H. (94 hrs.).

Physiology of labor and the puerperium; management of normal pregnancy, labor and the puerperium.
(16 hrs.) I.

Pathology of pregnancy, labor and the puerperium; obstetrical operations.
(16 hrs.) II.

Principles of Gynecology. A conference course on the principles of gynecology. One hour each week.
(32 hrs.) I-II. Shaw and Staff

Diagnostic Clinic in Gynecology. The examination of patients, under anesthesia. Limited to groups of three students.
(6 hrs.). Shaw and Staff

Manikin Practice. Under the supervision of an instructor each student is required to perform each of the various obstetrical procedures upon the manikin. Thorough instruction in the mechanism of labor, a quiz upon operative obstetrics, and the diagnosis and treatment of all complications of labor, are included in this course. For groups of six students, six demonstrations of two hours each.
(12 hrs.) II.

Obstetrical and Gynecological Pathology. Lecture and demonstration of gross and microscopic anatomy. Limited to six students, twelve hours.
(12 hrs.) II.

FOURTH YEAR

620ab. Fourth Year Obstetrics and Gynecology.
Co. H. (332 hrs.).

Pathology of pregnancy, labor and the puerperium; obstetrical operations.
(16 hrs.).

Clinical and Operative Obstetrics. Presentation of pathological and operative cases, and demonstrations of obstetrical operations upon the manikin.
(16 hrs.).

Conference Course in Obstetrics and Gynecology. Recitation and quiz on obstetrics and gynecology. A general review.
(20 hrs.).

Clinical Obstetrics. The bloc system is used in this Department. Sections limited to twelve students are assigned to Clinical Obstetrics for four weeks during the summer vacation period between the third and fourth years.
(280 hrs.).

During this period their entire time is devoted to obstetrics, as follows:

Maternity Service. An out-patient obstetrical dispensary which annually conducts 1,800 deliveries and averages 12,000 dispensary visits for prenatal or postpartum care. Each student attends prenatal and postpartum clinics, personally examining a large number of cases, and conducts from ten to fifteen labors. All dispensary work and student deliveries are done under the immediate supervision of a teaching obstetrician. For groups of four students for a period of two weeks.

Los Angeles County Hospital. Eight students spend two weeks in residence in the Obstetrical Department of this Hospital. Intensive training is given in prenatal and postpartum care, and the conduct of labor. During his service the student witnesses all normal and operative deliveries (not less than 100), makes daily ward rounds with a member of the teaching staff, serves as clinical clerk on the ward, attends weekly obstetrical conferences conducted by the staff.

Ward Work in Gynecology. Students act as clinical clerks in the wards of the Los Angeles County Hospital, and under the direction of the staff will follow the preoperative, operative, and postoperative care of gynecological cases. Ward rounds with the staff are made three times each week. Limited to groups of eight students, serving for four weeks during the obstetrical clinical period.

Dispensary Clinics in Gynecology. Conference in practical gynecology, given in connection with the "Ward Work in Gynecology" in the Out-Patient Gynecological Department of the Los Angeles County Hospital.

SCHOOL OF MEDICINE

Summary of Hours

1939-40

	First Year	Second Year	Third Year	Fourth Year	Total
Anatomy—Gross	500	.....	.....	.....	500
Histology	168	.....	.....	.....	168
Nervous System	112	.....	.....	.....	112
Biochemistry	256	.....	.....	.....	256
Physiology	.....	256	.....	.....	256
Pharmacology	.....	200	.....	.....	200
Pathology	.....	214	64	32	310
Bacteriology	.....	112	.....	.....	112
Immunology	.....	56	.....	.....	56
Parasitology	.....	112	.....	.....	112
Public Health	.....	.....	80	48	128
Medicine—including: Pediatrics, Dermatology, Radiology, Neuropsychiatry	.....	192	803	679	1,674
Surgery—including: Orthopedics, Urology, Ophthalmology, Otology, Rhinology, and Laryngology, Neurosurgery, Oral Surgery	.....	.....	261	399	660
Obstetrics and Gynecology	.....	16	94	*332	*442
Electives	.....	.....	.....	†176	.....
	1,036	1,158	1,302	1,490	4,986

*Includes Clinical Obstetrics.
†Not included in total.

SCHOOL OF MEDICINE
SCHEDULE OF FIRST-YEAR CLASSES, 1939-40
First Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 12	Gross Human Anatomy Med. 300a					Biochemistry Med. 340a
1:15 to 4:45	Histology Med. 310	Biochemistry Med. 340a 1:15-3:15	Histology Med. 310	Biochemistry Med. 340a 1:15-3:15	Histology Med. 310	

SCHOOL OF MEDICINE
SCHEDULE OF FIRST-YEAR CLASSES, 1939-40
Second Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 12	Gross Human Anatomy Med. 300b					
1:15 to 4:45	Biochemistry Med. 340b	Anat. of Nerv. System Med. 320	Biochemistry Med. 340b	Anat. of Nerv. System Med. 320	Biochemistry Med. 340b	

SCHOOL OF MEDICINE
SCHEDULE OF SECOND-YEAR CLASSES, 1939-40
First Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:00 to 12:00	Physiology Med. 400	Physiology Med. 400 9:00-11:00 Pathology Med. 450	Physiology Med. 400	Physiology Med. 400 9:00-11:00 Pathology Med. 450	Physiology Med. 400	
1:15 to 4:45	Bacteriology and Immunology Med. 440-441	Pathology Med. 450	Bacteriology and Immunology Med. 440-441	Pathology Med. 450	Bacteriology and Immunology Med. 440-441	

SCHOOL OF MEDICINE
SCHEDULE OF SECOND-YEAR CLASSES, 1939-40
Second Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 10:30	Pharmacology Med. 410	Physical Diagnosis Med. 480	Pharmacology Med. 410 8:00-10:00	Pharmacology Med. 410 8:00-12:00	Physical Diagnosis Med. 480	
10:30 to 12:00		Pathology Med. 451 (½ class)	Physical Diagnosis Med. 480 10:00-12:00		Pathology Med. 451 (½ class)	
1:00 to 2:00	Pathology Med. 451	Parasitology Med. 442	Pathology Med. 451 1:15-2:00	Parasitology Med. 442 1:00-4:00	Neurology	
2:00 to 4:00	Clinical Laboratory Methods Med. 482		Clinical Laboratory Methods Med. 482		Pharmacology Med. 410	
4:00 to 5:00				Obstetrics Med. 420		

SCHOOL OF MEDICINE
SCHEDULE OF THIRD-YEAR CLASSES, 1939-40
First Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 11:15	Gynecology 8:10-9:00 Medicine Wards	Medicine Wards	Obstetrics 8:10-9:00 Medicine Wards	Medicine Wards	Medicine Wards	Therapeutics 9:00-10:00
11:15 to 12:15	Surgery	Surgery Clinic	Surgery	Surgery	Medicine Clinic	X-ray 11:00-12:00
1:15	Pathology	Dermatology	Endocrinology	Public Health	Pathology	
2:15 to 5:00	Medicine Wards	Medicine Wards Electro-cardiography 4:00-5:00	Pathology (½ Class) Medicine Wards (½ Class)	Medicine Wards	Pathology (½ Class) Medicine Wards (½ Class)	

SCHOOL OF MEDICINE
SCHEDULE OF THIRD-YEAR CLASSES, 1939-40
Second Semester
(Sections [Medicine and Surgery] change April 8, 1940)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 11:15	Gynecology 8:10-9:00 Medicine Wards or Surgery Out-patient	Orthopedic Wards 9:00-11:15	Obstetrics 8:10-9:00 Medicine Wards or Surgery Out-patient	Medicine Wards or Surgery Out-patient	Medicine Wards or Urology	Obstetrics — Histopathology and Manikin Practice 8:00-10:00
11:15 to 12:15	Pediatrics	Surgery Clinic	Tuberculosis Clinic	Medicine Clinic	Medicine Clinic	
1:15	Dermatology	Ophthalmology	Psychiatry	Public Health	Otolaryngology	
2:15			Neurosurgery Proctology	Urology	Anesthesia	
3:00						
4:00-6:00	Obstetrics — Histopathology and Manikin Practice					

SCHOOL OF MEDICINE
SCHEDULE OF FOURTH-YEAR CLASSES, 1939-40

In the fourth year the class is divided into three sections, the school year into three clinical periods, and the work to be done into three subdivisions. Each clinical period extends for approximately eleven weeks.

	Group I	Group II	Group III
1st Clinical Period Sept. 18, 1939 to Dec. 4, 1939	Special Clerkship Period Dermatology Communicable Diseases Syphilis Clinic Psychiatry	Surgical Clerkship Period	Medical Out-patient Period
2nd Clinical Period Dec. 4, 1939 to Mar. 4, 1940	Medical Out-patient Period	Special Clerkship Period Dermatology Communicable Diseases Syphilis Clinic Psychiatry	Surgical Clerkship Period
3rd Clinical Period Mar. 4, 1940 to May 25, 1940	Surgical Clerkship Period	Medical Out-patient Period	Special Clerkship Period Dermatology Communicable Diseases Syphilis Clinic Psychiatry

Clinics in medicine and surgery, a clinical pathological conference and pediatrics in the Children's Hospital continue throughout the year.

Electives. Time is available for elective work to a certain extent throughout the year, but is greatest during the medical out-patient period. At the beginning of the year each student will submit his program of elective work for approval. Electives in medicine and surgery are available as indicated in the description of courses in these departments. Elective work available in obstetrics and gynecology and in the preclinical sciences will be announced.

SCHOOL OF MEDICINE
SCHEDULE OF FOURTH-YEAR CLASSES, 1939-40
SPECIAL CLERKSHIP PERIOD

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 9:30	Surgery	Communicable Diseases	Children's Hospital Pediatrics and Orthopedics 9:00-12:15	Obstetrics Gynecology 8:10-9:00	Obstetrics Gynecology Conference 8:10-9:00	Psychiatry Sections
9:30 to 11:15	Dermatology	Ophthalmology		Dermatology	Communicable Diseases 9:00-10:30	
11:15 to 12:15	Clinical Pathological Conference	Surgery Clinic		Gynecology Clinic	Medicine Clinic	
1:30 to 5:30	Special Medicine Clinic	Psychiatry Sections and Special Medicine Clinic	Psychiatry Sections	Special Medicine Clinic	Psychiatry Sections and Special Medicine Clinic	

SCHOOL OF MEDICINE
SCHEDULE OF FOURTH-YEAR CLASSES, 1939-40
SURGICAL CLERKSHIP PERIOD

<table>
<tr><th></th><th>Monday</th><th>Tuesday</th><th>Wednesday</th><th>Thursday</th><th>Friday</th><th>Saturday</th></tr>
<tr><td>8:10
to
9:00</td><td>Surgery
8:30-9:30</td><td></td><td rowspan="3">Children's Hospital
Pediatrics and Orthopedics
9:00-12:15</td><td>Obstetrics
Gynecology</td><td>Obstetrics
Gynecology
Conference</td><td rowspan="3"></td></tr>
<tr><td>9:00
to
11:15</td><td>Surgery
Wards
9:30-11:15</td><td>Neurological and Chest Surgery Wards</td><td>Urology and Surgery Wards</td><td>Fractures and Surgery Wards</td></tr>
<tr><td>11:15
to
12:15</td><td>Clinical Pathological Conference</td><td>Surgery Clinic</td><td>Gynecology Clinic</td><td>Medicine Clinic</td></tr>
<tr><td>1:00
to
3:00</td><td rowspan="2">Malignancy Out-patient and Surgery Wards</td><td rowspan="2">Surgical Pathology
1:00-4:00</td><td rowspan="2">Surgery Wards</td><td>X-ray and Radium Therapy</td><td>Otology
Rhinology
Laryngology
1:30-3:30</td><td rowspan="2"></td></tr>
<tr><td>3:00
to
5:30</td><td>Surgery Wards</td><td>Surgery Wards</td></tr>
</table>

SCHOOL OF MEDICINE
SCHEDULE OF FOURTH-YEAR CLASSES, 1939-40
MEDICAL OUT-PATIENT PERIOD

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:10 to 9:00	Surgery 8:30-9:30		Children's Hospital Pediatrics and Orthopedics 9:00-12:15	Obstetrics Gynecology	Obstetrics Gynecology Conference	
9:00 to 11:15	Heart Clinic and Tuberculosis	Neurology Clinic		Neurology Clinic	Heart Clinic and Tuberculosis	
11:15 to 12:15	Clinical Pathological Conference	Surgery Clinic		Gynecology Clinic	Medicine Clinic	
1:00 to 2:00	Allergy Clinic	Medicine Out-patient	Medicine Out-patient	Medicine Out-patient	Medicine Out-patient	
2:00 to 3:30	Medicine Out-patient					

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

Session of 1938-39

First Year

Name	School Last Attended and Degrees	Home Address
Ariaudo, John A.	A.B., University of Southern California, 1938	Los Angeles
Bigler, Roscoe B.	B.S., Loyola University, Los Angeles, 1938	Huntington Park
Bockoven, John S.	University of Southern California	Clark, South Dakota
Cailliet, Rene	Villanova College, Pennsylvania	Drexel Hill, Penna.
Davis, John H.	A.B., University of California, 1936	Beverly Hills
*Downey, Bowman	A.B., Wabash College, Indiana, 1937	Indianapolis, Ind.
Drury, Robert B.	A.B., Whittier College, 1937	Whittier
Edelbrock, Harold H.	University of Southern California	Ontario
Erler, Stanleigh	University of Southern California	Los Angeles
Esposito, Leslie V.	B.S., Loyola University, Los Angeles, 1938	San Pedro
Exter, Donald J.	University of California at L. A.	Los Angeles
Freidin, Morris	A.B., University of California at L. A., 1938	Los Angeles
French, William F.	A.B., University of California at L. A., 1938	Los Angeles
George, Lowell E.	A.B., University of California at L. A., 1938	Huntington Park
Gillespie, J. D., Jr.	A.B., University of California at L. A., 1937	Beverly Hills
Haig, Pierre V.	A.B., Occidental College, 1938	Los Angeles
Henderson, Charles E.	A.B., University of Arizona, 1937	Phoenix, Arizona
Hiebert, Irwin S.	A.B., University of Southern California, 1938	Reedley
Jacobs, William R.	A.B., University of Cincinnati, 1938	Chicago, Illinois
Johnson, William M.	A.B., Occidental College, 1938	Los Angeles
La Briola, J. Harold	University of Southern California	Los Angeles
Layman, John D.	A.B., University of California at L. A., 1929 Ph.D., University of Chicago, 1934	Montebello
Leavelle, Robert B.	A.B., University of California at L. A., 1938	Manhattan Beach
Leonard, Alvin	University of California at L. A.	Los Angeles
Lipson, Morris	University of California at L. A.	Van Nuys
LoPinto, Andrew F.	A.B., San Diego State College, 1938	San Diego
McDowell, Mehl	A.B., University of California at L. A., 1938	Los Angeles
*McFarlane, James W.	A.B., University of California at L. A., 1938	Los Angeles
McMorrow, Clyde H.	A.B., San Diego State College, 1938	San Diego
Meens, David F.	A.B., University of Redlands, 1938	Redlands
Miller, Loren S.	University of Southern California	Los Angeles
Mott, Loran E.	University of Southern California	Downey
Mueller, Edward J., Jr.	A.B., University of California at L. A., 1938	Los Angeles
Nicholas, Frank G.	University of Southern California	Los Angeles
Pallais, Armando R.	University of California at L. A.	Los Angeles
Philo, Frank G., Jr.	A.B., Stanford University, 1938	Long Beach
Potter, LeRoy H.	A.B., Pomona College, 1938	Los Angeles
Reed, Joseph A.	A.B., University of California, 1938	Altadena
Scott, Robert F.	A.B., University of Southern California, 1938	Los Angeles
Shennum, Paul G.	University of Southern California	La Crescenta
Silver, Sidney H.	University of California at L. A.	Los Angeles
Simpson, William E., Jr.	A.B., University of California at L. A., 1938	Los Angeles
Smillie, Jack G.	A.B., University of California at L. A., 1938	Pacoima
Smith, Sheldon P.	A.B., Pomona College, 1932	Whittier
Sparkuhl, Konstantin	University of California at L. A.	Los Angeles
Sperry, Arthur D., Jr.	Occidental College	Long Beach
Stanton, William W.	A.B., Pomona College, 1938	Long Beach
Truax, Hugh C.	A.B., University of California at L. A., 1938	Los Angeles
Turner, Charles T.	B.S., University of Nevada, 1938	Los Angeles
Voelker, Robert B.	A.B., University of Southern California, 1938	Glendale
†Wayland, Frank W.	A.B., University of Southern California, 1938	Glendale
Weiner, Herman	B.S. (Pharm.), Univ. of So. California, 1936	Los Angeles
Widmann, Rudolph R.	A.B., Stanford University, 1936; M.S., 1938	Duarte
Wood, Walter L., Jr.	A.B., University of California at L. A., 1938	Los Angeles

*Withdrew during first semester
†Withdrew at end of first semester

Second Year

Name	School Last Attended and Degrees	Home Address
Adams, Deane Taylor	A.B., University of Southern California, 1938	Glendale
Alexander, Harold Burton	A.B., University of California at L. A., 1937	Los Angeles
Allin, Jack Gordon	University of California at L. A.	Pasadena
Allington, Robert Raymond	A.B., University of Southern California, 1937	Van Nuys
Bradley, William Guerin	A.B., University of California at L. A., 1937	Los Angeles
Bristow, David Austin	Fresno State College	Fresno
Buell, James Irwin	A.B., Occidental College, 1937	Long Beach
Carl, Nathan Emerson	A.B., University of Southern California, 1937	Los Angeles
Carter, Norman Kinman	A.B., Pomona College, 1933	Fullerton
Clark, Gilbert	A.B., University of California, 1937	Oakland
Crane, Jay Freeman	A.B., University of Southern California, 1938	Los Angeles
Davis, Alvin Elsworth	A.B., University of California at L. A., 1937	Los Angeles
Davis, James Grover, Jr.	A.B., University of Southern California, 1938	Los Angeles
Eisenbeiss, John Andrew	A.B., University of Southern California, 1938	Glendale
Elerding, Alan Colgrove	University of California	Los Angeles
Felix, John Mariano	A.B., University of Southern California, 1937	Honolulu, T.H.
Fonda, Maxwell Peterson	A.B., University of Southern California, 1938	Los Angeles
Foster, Robert Ellison Lee	University of California at L. A.	Los Angeles
Friedman, Marshall Hayden	A.B., University of California at L. A., 1936	Los Angeles
Funke, Robert Edward	University of California at L. A.	Long Beach
Furer, Stanford Arthur	A.B., University of Southern California, 1937	Los Angeles
Green, Walter Stanley	University of California at L. A.	Los Angeles
Hall, Jack Elwin	A.B., University of Southern California, 1938	Los Angeles
Hanson, George Charles	A.B., University of California at L. A., 1936	Los Angeles
Holt, Walter Clenton, Jr.	A.B., University of Southern California, 1938	Hollywood
Kirby, Frederick Goff	A.B., Stanford University, 1937	Santa Monica
Lange, Otto Heinrich	A.B., University of California at L. A., 1937	Hollywood
Moore, Emory Speer, Jr.	A.B., University of Southern California, 1938	Los Angeles
Movius, Herbert John	A.B., University of Southern California, 1938	Los Angeles
Munger, John Roger	A.B., Stanford University, 1937	Santa Paula
Murphy, Lyle Francis	A.B., University of California at L. A., 1934	Glendale
Murrieta, Alfred John, Jr.	A.B., Stanford University, 1936	Los Angeles
Nelson, James Hunter	A.B., University of Arizona, 1936	Tucson, Ariz.
Nesson, Willard Irwin	A.B., University of Southern California, 1937	San Marino
Nielsen, Robert Freeman	University of California at L. A.	Santa Monica
Nielson, Joseph Leroy, Jr.	A.B., University of California, 1937	Berkeley
Niemetz, David	A.B., University of California at L. A., 1936 A.M., University of Southern California, 1937	Hollywood
Paolino, Leonidas Homer	University of Southern California	Los Angeles
Payne, John Howard	A.B., University of Southern California, 1938	Los Angeles
Phillips, Israel Edward	University of Southern California	Los Angeles
Pulido, Venustiano	A.B., University of California at L. A., 1937	Tacuba, D.F., Mex.
Roland, William Chester	A.B., University of California, 1937	Sacramento
Scanlin, Harold Robert	A.B., University of Southern California, 1937	Los Angeles
Scofield, D. Stanley	University of California A.B., University of Southern California, 1938	San Diego
Smith, Turner Burton, Jr.	University of California at L. A.	Wilmington
Stanfill, Charles Mac	A.B., University of Southern California, 1938	Tucumcari, N.M.
Stirrett, Lloyd Arthur	A.B., University of Southern California, 1938	Los Angeles
Thornburg, Harold Babcock	University of California at L. A.	Los Angeles
Underwood, Laurence Joseph	A.B., University of California at L. A., 1937	Los Angeles
Walt, Richard William	A.B., Stanford University, 1937	North Hollywood
Watkins, H. M. Sherman	A.B., University of Southern California, 1937	San Francisco
Wilkinson, Hildegarde R. J.	A.B., University of Southern California, 1926	West Los Angeles
Wilson, John Allen, Jr.	A.B., University of Southern California, 1938	Los Angeles

*Withdrew at end of first semester
†Withdrew during second semester

Third Year

Name	School Last Attended and Degrees	Home Address
Adams, Robert Malcom	University of California	San Leandro
Allen, LeRoy Richard	A.B., University of Redlands, 1936	Garden Grove
Anderson, George Carl	A.B., University of Southern California, 1937	Los Angeles
Bachmann, George William, Jr.	A.B., Stanford University, 1936	Santa Monica
Biggy, Robert Frank	A.B., University of Southern California, 1936	Los Angeles
Bleiberg, Donald Joseph	A.B., University of Southern California, 1936	Los Angeles
Brown, George Edward	A.B., University of Southern California, 1937	Hollywood
Buell, Frank Andrew	A.B., University of California at L. A., 1936	Los Angeles
Burley, John Sullivan	Occidental College	Alhambra
Coleman, Ralph Leslie	University of California at L. A.	Hollywood
Cullen, Edward Russell	A.B., University of California, 1936	Long Beach
Finerman, Wilmore Bernart	A.B., University of California at L. A., 1935	Los Angeles
Franklin, Roland Gould	University of California at L. A.	Los Angeles
Frantz, Winthrop Steele	University of California	Sacramento
Freed, Arnold Lawrance	A.B., University of California, 1934	Los Angeles
Gaspar, John Lambert	University of Southern California	Los Angeles
Gaspar, Max Raymond	A.B., Morningside College, 1936 University of South Dakota School of Medical Sciences	Torrance
Gibson, Thomas Albert	A.B., University of Southern California, 1937	Prescott, Ariz.
Hallstone, Victor Everett	A.B., University of California, 1935	Turlock
Hovsepian, Deron	A.B., University of California at L. A., 1936	Los Angeles
Iseminger, Sidney Willis	A.B., University of Southern California, 1936	Roseville
James, Robert Ernest	A.B., University of Southern California, 1936	National City
Kelly, James Eugene	A.B., University of Southern California, 1937	Los Angeles
Kelly, Robert Francis	B.S., Loyola University, Los Angeles, 1936	Glendale
Knupp, Wilber S.	A.B., University of Southern California, 1936	Whittier
Koch, Eugene Robert	A.B., University of Southern California, 1936	San Francisco
Kusayanagi, Masako	A.B., University of Southern California, 1936	Los Angeles
Lasky, Irving Israel	A.B., University of Southern California, 1937	Los Angeles
MacClocklin, Dorothy Imogene	A.B., University of Southern California, 1937	Fullerton
Malone, Charles Morton	A.B., University of California, 1935	Phoenix, Ariz.
Mazur, Harold Morris	A.B., University of California at L. A., 1934 A.M., University of California, 1936	Los Angeles
Meals, William Goode	San Diego State College	San Diego
Meehan, Herbert	A.B., University of California at L. A., 1934	Glendale
Newkirk, Merlin Louis	A.B., University of California at L. A., 1936	Long Beach
Pearson, John Peter	University of Arizona	Glendale, Ariz.
Pratt, John Rolfe	University of Southern California	Los Angeles
Roe, William Forth	A.B., University of California at L. A., 1934	Glendale
Singhoff, Arno Wolfgang	University of California at L. A.	Los Angeles
Sloan, Ralph Varian	A.B., University of California at L. A., 1934	Glendale
Smith, Samuel Newlan	University of California at L. A.	West Los Angeles
Spiers, Donald William	A.B., University of Southern California, 1935	Beverly Hills
Stephenson, William Hughes	A.B., University of California at L. A., 1936	Los Angeles
Sugarman, Jerome Norman	A.B., University of Southern California, 1937	Los Angeles
Sweeley, Glenn George	A.B., University of California at L. A., 1935	Los Angeles
Taggart, John Victor	University of California at L. A.	Los Angeles
Tapia, Carlos Telles, Jr.	A.B., University of Southern California, 1937	Sonora, Mexico
Thurber, Packard, Jr.	A.B., University of Southern California, 1938	Los Angeles
Wilkins, Howard Francis	B.S., Loyola University, Los Angeles, 1936	Los Angeles

Fourth Year

Name	School Last Attended and Degrees	Home Address
Andler, Maxwell, Jr.	A.B., University of Southern California, 1936	Brookline, Mass
Bacon, Edison Pierce	University of Southern California	Los Angeles
Baker, Molly Buttress	A.B., University of California at L. A., 1934	Triunfo
Bassett, John Winfield	A.B., University of Southern California, 1937	San Diego
Brock, Burton K.	University of Southern California	El Centro
Buel, Walter Henry	A.B., University of Southern California, 1936	Los Angeles
Butler, Charles Gleason	University of California at L. A.	Los Angeles
Crawford, Donald John	University of California	Long Beach
Dahlman, Rynold Austin	University of California at L. A.	Los Angeles
Daniels, Elijah Robert	University of Southern California	Los Angeles
Feder, Bernard Herbert	A.B., University of Southern California, 1936	Los Angeles
Feeney, John Robert	B.S., D.D.S., University of Southern California, 1930; A.B., 1936	Los Angeles
Flynn, John Francis, Jr.	A.B., University of California at L. A., 1936	Los Angeles
Homann, Ralph E., Jr.	B.S., California Institute of Technology, 1935	Hollywood
Hudson, Charles Burton	Ph.G., University of California, 1931; A.B., 1935	Lodi
Ingham, Harrington Vose	Pomona College	Los Angeles
Ireland, Robert McLeod	A.B., University of Southern California, 1936	Los Angeles
Jones, Samuel Austin	University of California	Los Angeles
Kimball, Merritt Hazen S.	University of California at L. A.	San Diego
Kistler, Maxwell	University of Southern California	Los Angeles
Knott, Leslie Whitestone	A.B., Occidental College, 1933	San Francisco
LaMotte, John Latimer	University of California at L. A.	Los Angeles
Lancaster, George Gale	A.B., University of Southern California, 1937	Torrance
Levin, Norman E.	A.B., University of Southern California, 1936	Los Angeles
Lynch, Theodore Thomas	Loyola University at Los Angeles	Vallejo
Maguire, Joseph Francis	A.B., University of California at L. A., 1935	Hollywood
Moore, Frederick Jessup	A.B., Hamilton College, 1933; University of Southern California	Los Angeles
Morgan, David William	A.B., Pomona College, 1934	San Fernando
Morreale, John J.	A.B., University of Southern California, 1936	Los Angeles
Moss, George Lester	A.B., University of California, 1935	Pomona
Norene, Robert Andrew	A.B., University of Southern California, 1935	Pasadena
Olney, Millard Parker	A.B., University of California at L. A., 1935	Los Angeles
Peck, Richard Oliver	University of California at L. A.	Los Angeles
Porter, James Llewellyn	A.B., University of Southern California, 1935	National City
Ridge, Gerald Kent	University of California at L. A.	Los Angeles
Schuldberg, Irving Israel	A.B., University of Southern California, 1937	Los Angeles
Shulman, Leon Junior	A.B., University of California at L. A., 1935	Los Angeles
Smith, Robert Lincoln	A.B., University of California at L. A., 1935	Los Angeles
Stratton, Victor Charles	University of California at L. A. A.B., University of Southern California, 1936	Los Angeles
Suzuki, Tsutomu Tom	A.B., Occidental College, 1935	Los Angeles
Swift, Lorin Clyde	University of California at L. A.	Los Angeles
Vickers, James Edmund	A.B., University of California at L. A., 1935	Los Angeles
Walters, John Douglas	A.B., University of California at L. A., 1934	Hollywood
Wilks, Frank Wallace	University of California at L. A.	Los Angeles

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Fifth Year

Name	School Last Attended and Degrees	Interneship
Bidwell, Robert Reddington	University of California at L. A.	The California Hospital
Blatherwick, Norman Henry	University of California at L. A. A.B., Univ. of So. Calif., 1935	Los Angeles County Hospital
Burbidge, John Heathcote	San Diego State College	Los Angeles County Hospital
Burbidge, Ripples Menga	A.B., Univ. of So. Calif., 1935	Los Angeles County Hospital
Busby, Walter Whitcomb	A.B., Univ. of So. Calif., 1935	Milwaukee Hospital, Wisconsin
Canby, Charles Borrmann	University of California at L. A. A.B., Univ. of So. Calif., 1935	Los Angeles County Hospital
Chapman, Edwin Stow	A.B., Univ. of So. Calif., 1935	Santa Barbara Cottage Hospital, Santa Barbara
Chernow, Marvin Lee	A.B., Univ. of Calif. at L. A., 1934	Los Angeles County Hospital
Clothier, William Lewis	A.B., Occidental College, 1932	Santa Fe Coast Lines Hospital
Conklin, James Edward, Jr.	College of the Pacific	Sacramento County Hospital, Sacramento
Cowper, Herbert Hazlett	A.B., Univ. of Calif. at L. A., 1934	Fresno County General Hospital, Fresno
Crane, Edward Harrison	A.B., Univ. of Calif. at L. A., 1934	San Bernardino County Charity Hospital
Davis, Donald R.	A.B., Univ. of So. Calif., 1935	Orange County Hospital, Orange
Dempsey, Thomas Francis	A.B., Lehigh University, 1934	San Bernardino County Charity Hospital
Englehorn, Harold Milton	University of Southern California	Los Angeles County Hospital
Flaherty, Tom Titian	Loyola University A.B., Univ. of So. Calif., 1935	U. S. Naval Hospital, San Diego
Giovanazzi, Joseph Eugene	San Diego State College	San Diego County General Hospital, San Diego
Gould, Charles Ernest G.	A.B., Univ. of Brit. Col., 1928	Vancouver General Hospital, Vancouver, B. C.
Griffin, Richard Anthony	University of California at L. A. A.B., Univ. of So. Calif., 1935	Los Angeles County Hospital
Harwood, Samuel Charles	A.B., Univ. of So. Calif., 1934	Los Angeles County Hospital
Hopkins, Thorne	Fresno State College A.B., Univ. of So. Calif., 1935	Santa Clara County Hospital, San Jose
Hull, Earl Theo, Jr.	A.B., Univ. of Calif. at L. A., 1934	Los Angeles County Hospital
Hull, Frederick Hinkley	A.B., Univ. of Calif. at L. A., 1934	Los Angeles County Hospital
Ichioka, Tsutayo Nakao	A.B., Univ. of So. Calif., 1935	Univ. of Southern California
Kamins, Maurice Lloyd	A.B., Univ. of Calif. at L. A., 1934	Cedars of Lebanon Hospital
Kidd, Thomas Roberts	A.B., Univ. of So. Calif., 1935	Los Angeles County Hospital
Kingsbery, Lloyd Batré	A.B., Univ. of So. Calif., 1933	Los Angeles County Hospital
Lipkis, Morrey Leonard	A.B., Univ. of Calif. at L. A., 1934	Los Angeles County Hospital
MacDonald, James Lindell	A.B., Univ. of Redlands, 1935	Alameda County Hospital, Oakland
Macer, George Armand	A.B., Univ. of So. Calif., 1934	Los Angeles County Hospital
Mark, Bernard John	B.S., Univ. of Washington, 1932	Los Angeles County Hospital
Middleton, Joseph Gaines	A.B., Univ. of So. Calif., 1935	Los Angeles County Hospital
Mirovich, Joseph Irving	A.B., Univ. of So. Calif., 1931	Los Angeles County Hospital
Nelson, Norman Bartram	A.B., Univ. of Calif. at L. A., 1934	Los Angeles County Hospital
Owens, Harold	A.B., Univ. of California, 1931	Los Angeles County Hospital
Page, Griffith Davidson	University of California at L. A. A.B., Univ. of So. Calif., 1935	Santa Fe Coast Lines Hospital
Pierose, Perry Nickolas	A.B., Stanford University, 1933	Los Angeles County Hospital
Rosser, Bernard H.	A.B., Univ. of California, 1932	Los Angeles County Hospital
Sanborn, Alvin Leavitt	A.B., Univ. of So. Calif., 1934	Los Angeles County Hospital
Stanton, Frank Everett	University of California at L. A. A.B., Univ. of So. Calif., 1936	Southern Pacific General Hospital, San Francisco
Sturgeon, Esther Bradshaw	A.B., Univ. of So. Calif., 1935	Los Angeles County Hospital
Thompson, George Newton, Jr.	A.B., San Diego State Coll., 1934	U. S. Naval Hospital, San Diego
Trotter, Joseph Trumball, Jr.	University of Southern California	Santa Fe Coast Lines Hospital

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THE UNIVERSITY OF SOUTHERN CALIFORNIA BULLETIN

Vol. XXXV MAY 1, 1940 No. 6

School of Medicine

1940-1941

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THE UNIVERSITY OF SOUTHERN CALIFORNIA PRESS

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1940

JANUARY

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JANUARY

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DECEMBER

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SCHOOL OF MEDICINE
PROPOSED CALENDAR*

1940

Sept. 12—Thursday	9 A.M.	Registration begins.
Sept. 16—Monday	8 A.M.	First semester begins.
Oct. 4—Friday		Founders' Day.
Nov. 11—Monday		Armistice Day—Holiday.
Nov. 20—Wednesday	9 P.M.	Thanksgiving recess begins.
Nov. 25—Monday	8 A.M.	Thanksgiving recess ends.
Dec. 14—Saturday	12 M.	Christmas recess begins.

1941

Jan. 2—Thursday	8 A.M.	Christmas recess ends.
Feb. 1—Saturday	12 M.	First semester ends.
Feb. 3—Monday	9 A.M.	Registration begins.
Feb. 4—Tuesday	8 A.M.	Second semester begins.
Feb. 22—Saturday		Washington's Birthday—Holiday.
April 9—Wednesday	9 P.M.	Spring recess begins.
April 14—Monday	8 A.M.	Spring recess ends.
May 24—Saturday	8 A.M.	Final examinations begin.
May 29—Thursday		Scholarship Day.
May 30—Friday		Memorial Day—Holiday.
June 1—Sunday	3 P.M.	Baccalaureate.
June 4—Wednesday	6 P.M.	Final examinations end.
June 7—Saturday	2:30 P.M.	Commencement.
Sept. 18—Thursday	9 A.M.	Registration begins.
Sept. 22—Monday		Instruction begins.

*The official University calendar for 1940-41 will be printed in the Circular of Information for August, 1940.

For information as to dates on which certain University requirements should be met by students in the Graduate School, see the bulletin of that school.

SCHOOLS AND COLLEGES

COLLEGE OF LETTERS, ARTS, AND SCIENCES
- SCHOOL OF PHILOSOPHY
- SCHOOL OF SPEECH
- SCHOOL OF JOURNALISM
- SCHOOL OF MUSIC

SCHOOL OF RELIGION

SCHOOL OF LAW

COLLEGE OF DENTISTRY (Affiliated)

COLLEGE OF PHARMACY

THE GRADUATE SCHOOL
- SCHOOL OF RESEARCH

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION
- SCHOOL OF MERCHANDISING

SCHOOL OF EDUCATION

GRADUATE SCHOOL OF SOCIAL WORK

THE LOS ANGELES UNIVERSITY OF INTERNATIONAL RELATIONS (Affiliated)

UNIVERSITY COLLEGE

COLLEGE OF ARCHITECTURE AND FINE ARTS

COLLEGE OF ENGINEERING

SCHOOL OF MEDICINE

SCHOOL OF GOVERNMENT

UNIVERSITY JUNIOR COLLEGE

GRADUATE SCHOOL OF LIBRARY SCIENCE

THE SUMMER SESSION

BOARD OF TRUSTEES

Term Expires in 1939

James C. Baker, S.T.B., D.D., LL.D., San Francisco, California.
Frank F. Barham, M.D., Los Angeles.
Andrew M. Chaffey, Treasurer, Los Angeles.
E. E. Helms, D.D., Los Angeles.
Raphael Herman, LL.D., Beverly Hills, California.
Ben R. Meyer, Los Angeles.
D. E. C. Moore, Los Angeles.
J. W. Oakley, D.D.S., L.D.S., Los Angeles.
Harry Philp, Los Angeles.
George W. Walker, Los Angeles.

Term Expires in 1940

Harry J. Bauer, LL.B., Vice-President, Los Angeles.
W. L. Y. Davis, D.D., Pasadena, California.
Mrs. Walter Harrison Fisher, Beverly Hills, California.
Ralph B. Hardacre, Los Angeles.
Rufus B. von KleinSmid, A.M., Sc.D., J.D., Ph. et Litt.D., LL.D., Los Angeles.
C. I. D. Moore, Los Angeles.
Wayland Morrison, M.D., Los Angeles.
Elvon Musick, LL.B., Los Angeles.
S. K. Rindge, Los Angeles.
Franklin S. Wade, A.B., Los Angeles.

Term Expires in 1941

Asa V. Call, Secretary, Los Angeles.
Norman Chandler, A.B., Los Angeles.
George I. Cochran, A.B., LL.D., Los Angeles.
F. E. Eckhart, Vice-President, Beverly Hills, California.
Allan Hancock, D.B.A., President, Los Angeles.
Mrs. May Ormerod Harris, Denver, Colorado.
Malcolm McNaghten, Los Angeles.
Seeley G. Mudd, M.D., Los Angeles.
C. A. Parmelee, Los Angeles.
Merle N. Smith, D.D., LL.D., Pasadena, California.

Honorary Life Members

L. E. Behymer, M.B.A., Los Angeles.
J. E. Carr, Los Angeles.
Alfred Inwood, D.D., Inglewood, California.

UNIVERSITY ADMINISTRATIVE OFFICERS

RUFUS B. VON KLEINSMID, A.M., Sc.D., J.D., Ph. et Litt.D., LL.D., President of the University

THE UNIVERSITY

FRANCIS M. BACON, A.B., D.D.S. Counselor of Men

HENRY W. BRUCE, A.B., J.D. Vice-President and Comptroller

THERON CLARK, A.B. Registrar

MARY SINCLAIR CRAWFORD, A.M., Ph.D., LL.D., Counselor of Women

CHRISTIAN R. DICK, A.B. Librarian

W. BALLENTINE HENLEY, A.M., LL.B., M.S. in P.A., LL.D., Director of Co-ordination

HERBERT WYNFORD HILL, Ph.M., Ph.D. University Editor

ALBERT SYDNEY RAUBENHEIMER, A.M., Ph.D., Director of the Educational Program of the University

HUGH CAREY WILLETT, A.M. Director of Admissions

THE COLLEGES AND SCHOOLS

PHILIP SHERIDAN BIEGLER, M.S., E.E., Dean of the College of Engineering

MARY DUNCAN CARTER, Ph.B., B.L.S., Director of the Graduate School of Library Science

RALPH TYLER FLEWELLING, S.T.B., Ph.D., LL.D., Director of the School of Philosophy

LEWIS EUGENE FORD, D.D.S., D.D.Sc., F.A.C.D., Dean of the College of Dentistry

ROY L. FRENCH, A.M. Director of the School of Journalism

WILLIAM GREEN HALE, B.S., LL.B., Dean of the School of Law

ALVAH G. HALL, Ph.G., B.S., M.S., Acting Dean of the College of Pharmacy

ROCKWELL DENNIS HUNT, A.M., Ph.D., LL.D., Litt.D., Dean of the Graduate School and Director of the School of Research

RAY KEESLAR IMMEL, A.M., Ph.D., Director of the School of Speech

ARLIEN JOHNSON, A.M., Ph.D., Dean of the Graduate School of Social Work

Rufus B. von KleinSmid, A.M., Sc.D., J.D., Ph. et Litt.D., LL.D., Chancellor of the Los Angeles University of International Relations, and

Acting Dean of the School of Religion

Reid Lage McClung, A.B., Ph.D., Dean of the College of Commerce and Business Administration

Paul S. McKibben, B.S., Ph.D., LL.D., Sc.D., Dean of the School of Medicine

Emery Evans Olson, A.M., J.D., Dean of the School of Government

Albert Sydney Raubenheimer, A.M., Ph.D., Dean of the College of Letters, Arts, and Sciences

Lester Burton Rogers, B.S., A.M., Ph.D., Dean of the School of Education and of the Summer Session

Thurston H. Ross, M.B.A., Ph.D., Director of the School of Merchandising and of the Bureau of Business Research

Max van Lewen Swarthout, Director of the School of Music

Ernest W. Tiegs, A.M., Ph.D. Dean of University College

R. R. G. Watt, A.M., Ed.D., Director of the University Junior College

Arthur C. Weatherhead, B.Arch., A.M., Dean of the College of Architecture and Fine Arts

MISCELLANEOUS

Arnold Eddy, A.B., General Manager of Associated Students and Business Manager of Athletics

Clee W. Foster, Office Manager, Operation and Maintenance Office

Lewis Gough, B.S. in Mdsg., Executive Director, General Alumni Association

Willis O. Hunter, A.B., Director of Intercollegiate Athletics

Carleton H. Mann, A.M., Ph.D., Head, Information Service

Harry Silke, B.S. in B.A., M.B.A., Director of Special Foundations

Charles E. Sims, B.S. in C.E. University Engineer

Franklin Skeele, A.B., Director of University News Bureau

Edith Weir, A.B. Director of Bureau of Teacher Placement

Mulvey Z. White, A.B. Director of Bureau of Employment

THE SCHOOL OF MEDICINE

FACULTY

RUFUS B. VON KLEINSMID, A.M., Sc.D., J.D., Ph. et Litt.D., LL.D.
President of the University

PAUL S. MCKIBBEN, B.S., Ph.D., LL.D., Sc.D.
Dean of the School of Medicine

HILL HASTINGS, M.D., Emeritus Professor of Surgery (Otology, Rhinology, and Laryngology)

1136 West Sixth Street, Los Angeles.

M.D., University of Virginia, 1895. Formerly Professor of Otolaryngology, The University of Southern California College of Medicine; Emeritus Professor, 1932- —.

CHARLES JOSEPH ROWAN, A.B., M.D., Emeritus Professor of Surgery

826 Cliff Drive, Laguna Beach.

A.B., St. Ignatius College, 1895; M.D., Rush Medical College, 1898. Assistant Professor of Surgery, Rush Medical College, 1906-14; Professor of Surgery, State University of Iowa College of Medicine, 1914-29; Professor of Surgery, The University of Southern California, 1931-39; Emeritus Professor, 1939- —.

LOUIS GEORGE REYNOLDS, M.D., Emeritus Lecturer in Medicine (Public Health)

622 South Kenmore Avenue, Los Angeles.

M.D., Northwestern University, 1908. Lecturer in Medicine, The University of Southern California, 1934-39; Emeritus Lecturer, 1939- —.

JOHN F. BARNHILL, M.D., LL.D., Honorary Professor of Anatomy

Miami Beach, Florida.

M.D., College of Physicians and Surgeons of Indiana, 1888; LL.D., Indiana University, 1928. Professor of Surgery of the Head, Indiana University School of Medicine; Honorary Professor of Anatomy, The University of Southern California, 1935- —.

GEORGE DOCK, M.D., A.M., Sc.D., LL.D., Honorary Professor of Medicine

94 North Madison Avenue, Pasadena.

M.D., University of Pennsylvania, 1894; hon. Sc.D., 1904; hon. A.M., Harvard University, 1895; LL.D., The University of Southern California, 1936. Assistant in Clinical Pathology, University of Pennsylvania, 1887-88; Professor of Pathology, Texas Medical College and Hospital, 1888-91; Professor of Medicine, University of Michigan Medical School, 1891-1908; School of Medicine, Tulane University, 1908-10; School of Medicine, Washington University, 1910-22; Honorary Professor of Medicine, The University of Southern California, 1931- —.

HARRY J. DEUEL, JR., A.B., Ph.D. Professor of Biochemistry

108 Science Hall, University.

A.B., Carleton College, 1918; Ph.D., Yale University, 1923. Instructor in Physiology, Cornell Medical School, 1923-27; Assistant Professor of Physiology, 1927-28; Professor of Physiology, University of Maryland, 1928-29; Professor of Biochemistry, The University of Southern California, 1929- —.

DOUGLAS RICHARD DRURY, A.B., M.D. Professor of Physiology

450 Science Hall, University.

A.B., Stanford University, 1918; M.D., 1922. Assistant, Rockefeller Institute, 1922-25; Associate, 1925-29; Associate Physician, Huntington Memorial Hospital, and Assistant in Physiology, Harvard University Medical School, 1929-31; Professor of Physiology, The University of Southern California, 1931- —.

ERNEST M. HALL, A.B., M.S., M.D. Professor of Pathology

471 Science Hall, University.

A.B., Brigham Young College, 1905; M.S., Washington State College, 1916; M.D., Stanford University, 1925. Instructor in Pathology, Stanford University School of Medicine, 1925; Assistant Professor of Pathology, 1926-28; Acting Associate Professor of Histology, The University of Southern California, 1928-29; Professor of Pathology and Bacteriology, 1929-31; Professor of Pathology, 1931- —.

JOHN F. KESSEL, A.B., A.M., Ph.D. Professor of Bacteriology

251 Science Hall, University.

A.B., Greenville College, 1919; A.M., University of California, 1921; Ph.D., 1923. Associate in Parasitology, Peking Union Medical College, 1923-28; Associate Professor of Parasitology, University of California at Los Angeles, 1928-29; Associate Professor of Pathology, College of Medical Evangelists, 1928-29; Associate Professor of Bacteriology and Parasitology, The University of Southern California, 1929-31; Professor of Bacteriology, 1931- —.

ROBERT W. LAMSON, B.S., A.M., Ph.D., M.D., Professor of Medicine (Preventive Medicine and Public Health)

1930 Wilshire Boulevard, Los Angeles.

B.S., Massachusetts Agricultural College, 1912; A.M., Columbia University, 1917; Ph.D., Harvard University, 1922; M.D., 1925. Department of Bacteriology and Immunology, Maryland Agricultural College, 1912-14; Assistant, Department of Preventive Medicine and Hygiene, Harvard University, 1919-22; Instructor, Bacteriology and Immunology, Harvard University Medical School, 1923-24; Associate Professor, Bacteriology and Immunology, Preventive Medicine and Hygiene, Baylor Medical School, 1925-26; Associate Professor of Bacteriology, The University of Southern California, 1930-35; Associate Professor of Medicine, 1931-35; Professor, 1935- —.

PAUL S. MCKIBBEN, B.S., Ph.D., LL.D., Sc.D., Professor of Anatomy and Dean of the School of Medicine

367 Science Hall, University.

B.S., Denison University, 1906; Ph.D., University of Chicago, 1911; LL.D., University of Western Ontario, 1928; Sc.D., Denison University, 1936. Assistant in Anatomy, University of Chicago, 1908-11; Associate in Anatomy, 1911-12; Instructor in Anatomy, 1912-13; Professor of Anatomy, University of Western Ontario Medical School, 1913-27; Dean, 1919-27; Associate Professor and Professor of Anatomy, University of Michigan Medical School, 1927-29; Professor of Anatomy, The University of Southern California School of Medicine, 1929- —; Dean, 1931- —.

DANIEL BARTLETT MACCALLUM, B.S., Ph.D., M.D., Professor of Anatomy

362 Science Hall, University.

B.S., University of Chicago, 1920; Ph.D., 1923; M.D., Rush Medical College, 1926. Assistant, Associate, and Instructor, Department of Anatomy, University of Chicago, 1920-24; Instructor in Internal Medicine, University of Wisconsin Medical School, 1926; Assistant Professor of Anatomy, The University of Southern California, 1930-31; Associate Professor, 1931-39; Professor, 1939-—.

BURRELL OTTO RAULSTON, A.B., M.D., Professor of Medicine and Director of Clinical Teaching

Room 7906, Los Angeles County Hospital.

A.B., Maryville College, 1909; M.D., Rush Medical College, 1915. Instructor in Pathology, Rush Medical College, 1916-21; Instructor and Assistant Professor of Medicine, 1921-24; Professor of Medicine and Director of Clinical Teaching, The University of Southern California School of Medicine, 1930-—.

CLINTON H. THIENES, A.M., M.D., Ph.D., Professor of Pharmacology

919 West Thirty-seventh Street, Los Angeles.

A.B., University of Oregon, 1918; A.M., M.D., 1923; Ph.D., Stanford University, 1926. Instructor in Anatomy, University of Oregon Medical School, 1921-22; Instructor in Pharmacology, 1922-24; Fellow in Medicine, National Research Council, Stanford University, 1925-26; Assistant Professor of Pharmacology, University of Oregon Medical School, 1926-29; Associate Professor of Pharmacology, The University of Southern California, 1929-31; Professor, 1931-—.

RUSSELL W. BASSETT, D.D.S., Special Lecturer in Obstetrics (Dental Diseases)

520 West Seventh Street, Los Angeles.

D.D.S., The University of Southern California, 1923. Special Lecturer in Obstetrics, The University of Southern California, 1934-—.

JACOB C. GEIGER, A.B., Ph.M., M.D., Dr.P.H., D.Sc., Lecturer in Medicine (Public Health)

Department of Public Health, San Francisco.

A.B., Tulane University, 1905; Ph.M., 1908; M.D., 1912; Dr.P.H., 1919; D.Sc., Louisiana State University, 1935. Assistant Professor of Hygiene, University of California, 1912-16; Professor of Bacteriology, Hooper Foundation, University of California Medical School, 1919-22; Associate Professor of Epidemiology, University of Chicago, 1922-28; Clinical Professor of Epidemiology, University of California Medical School, 1937-—; Lecturer in Medicine, The University of Southern California, 1933-—.

WILLIAM HENRY GOECKERMAN, M.D., Lecturer in Medicine (Dermatology)

727 West Seventh Street, Los Angeles.

M.D., Wisconsin College of Physicians and Surgeons, 1906. Lecturer in Medicine, The University of Southern California, 1938-—.

ROBERT H. HETERICK, M.D., Lecturer in Medicine (Public Health)

206 South Spring Street, Los Angeles.

M.D., Medical College of Ohio, 1906. Lecturer in Medicine, The University of Southern California, 1933-—.

ROLLA G. KARSHNER, B.S., M.D., Special Lecturer in Pediatrics (Roentgenology)

510 South Lucas Avenue, Los Angeles.

B.S., University of Michigan, 1915; M.D., 1917. Special Lecturer in Pediatrics, The University of Southern California, 1931- —.

WILFRED H. KELLOGG, Ph.G., M.D., Lecturer in Medicine (Public Health)

State Department of Public Health, Berkeley.

Ph.G., University of California, 1892; M.D., 1896. Clinical Instructor of Preventive Medicine, Stanford University School of Medicine, 1912-15; Assistant Clinical Professor of Preventive Medicine and Hygiene, University of California Medical School, 1917-28; Associate Professor, 1928; Lecturer in Medicine, The University of Southern California, 1933- —.

KARL F. MEYER, A.B., D.V.M., Ph.D., M.D., Lecturer in Medicine (Public Health)

Hooper Foundation, The Medical Center, San Francisco.

A.B., University of Zurich, 1905; D.V.M., 1909; Ph.D., 1924; hon. M.D., 1927; hon. M.D., College of Medical Evangelists, 1936. Director of the Hooper Foundation and Professor of Bacteriology, University of California Medical School, 1924- —; Lecturer in Medicine, The University of Southern California, 1936- —.

EDMUND ANDREWS, A.B., M.D. Clinical Professor of Surgery

627 South Windsor Boulevard, Los Angeles.

A.B., Yale University, 1913; M.D., Rush Medical College, 1915. Professor of Surgery, The School of Medicine of the Division of Biological Sciences, University of Chicago, 1929-38; Clinical Professor of Surgery, The University of Southern California, 1939- —.

ALBERT G. BOWER, A.B., M.S., M.D., Clinical Professor of Medicine (Communicable Diseases)

136 North Central Avenue, Glendale.

A.B., Stanford University, 1912; M.S., University of Chicago, 1914; M.D., Rush Medical College, 1916. Assistant in Anatomy, University of Chicago, 1915-16; Instructor in Hygiene and Bacteriology, 1916; Instructor in Medicine, College of Medical Evangelists, 1924-26; Assistant Professor of Medicine, 1926-29; Associate Professor of Medicine, 1929-31; Associate Clinical Professor of Medicine, The University of Southern California, 1931-34; Clinical Professor, 1934- —.

JOHN MACKENZIE BROWN, M.D., Clinical Professor of Surgery (Otology, Rhinology, and Laryngology)

1136 West Sixth Street, Los Angeles.

M.D., University of Western Ontario, 1899. Instructor in Otolaryngology, Los Angeles Medical Department of the University of California, 1909-15; Clinical Professor of Surgery, The University of Southern California, 1931- —.

RAY A. CARTER, A.B., A.M., M.D., Clinical Professor of Medicine (Radiology)

Los Angeles County Hospital.

A.B., The University of Southern California, 1908; A.M., 1911; M.D., 1913. Instructor in Materia Medica, The University of Southern California College of Medicine, 1916-17; Associate Professor of Medicine in Roentgenology, College of Medical Evangelists, 1929-31; Associate Clinical Professor of Medicine (Radiology), The University of Southern California, 1931-37; Clinical Professor, 1937- —.

KENNETH S. DAVIS, M.D., Clinical Professor of Medicine (Radiology)

2131 West Third Street, Los Angeles.

M.D., University of Nebraska, 1918. Associate Clinical Professor of Medicine, The University of Southern California, 1932-37; Clinical Professor, 1937- —.

CARL FISHER, B.S., M.D., Clinical Professor of Surgery (Ophthalmology)

1930 Wilshire Boulevard, Los Angeles.

B.S., Carleton College, 1901; M.D., Harvard University, 1905. Associate Professor of Ophthalmology, University of Minnesota Medical School, 1915-17; Associate Clinical Professor of Surgery, The University of Southern California, 1931-38; Clinical Professor, 1938- —.

KENDAL FROST, B.L., M.S., M.D., Clinical Professor of Medicine (Dermatology)

1930 Wilshire Boulevard, Los Angeles.

B.L., University of California, 1913; M.S., 1914; M.D., Rush Medical College, 1916. Associate Clinical Professor of Medicine, The University of Southern California, 1931-33; Clinical Professor, 1933- —.

VERNE CARLTON HUNT, B.S., M.D., M.S., Clinical Professor of Surgery

727 West Seventh Street, Los Angeles.

B.S., State University of Iowa, 1911; M.D., Rush Medical College, 1913; M.S. (Surgery), University of Minnesota, 1918. Associate Professor of Surgery, Mayo Foundation, Graduate School, University of Minnesota, 1927-30; Clinical Professor of Surgery, The University of Southern California, 1931- —.

SAMUEL D. INGHAM, M.D., Clinical Professor of Medicine (Neurology)

727 West Seventh Street, Los Angeles.

M.D., Medico-Chirurgical College of Philadelphia, 1899. Instructor in Neurology, Medico-Chirurgical College, 1907-10; Clinical Professor of Nervous and Mental Diseases, Temple University School of Medicine, 1910-20; Clinical Professor of Medicine, The University of Southern California, 1931- —.

A. RAY IRVINE, B.S., M.D., Clinical Professor of Surgery (Ophthalmology)

727 West Seventh Street, Los Angeles.

B.S., Utah State Agricultural College, 1898; M.D., Medico-Chirurgical College of Philadelphia, 1906. Associate Clinical Professor of Surgery, The University of Southern California, 1931-38; Clinical Professor, 1938- —.

MAURICE G. KAHN, M.D. Clinical Professor of Surgery

727 West Seventh Street, Los Angeles.

M.D., Harvard University, 1898. Clinical Professor of Surgery, The University of Southern California, 1931- —.

VERNE R. MASON, B.S., M.D. Clinical Professor of Medicine

523 West Sixth Street, Los Angeles.

B.S., University of California, 1911; M.D., Johns Hopkins University, 1915. Assistant in Medicine, Associate in Medicine, Johns Hopkins University School of Medicine, 1919-21; Clinical Professor of Medicine, The University of Southern California, 1930- —.

EDWARD C. MOORE, M.D. Clinical Professor of Surgery

511 South Bonnie Brae Street, Los Angeles.

M.D., The University of Southern California, 1904. Clinical Professor of Surgery, The University of Southern California, 1931-—.

FRANCIS MARION POTTENGER, Ph.B., A.M., LL.D., M.D., Clinical Professor of Medicine

1930 Wilshire Boulevard, Los Angeles.

Ph.B., Otterbein College, 1892; Ph.M., 1897; A.M., 1905; LL.D., 1909; M.D., Cincinnati College of Medicine and Surgery, 1894. Lecturer in Medicine, The University of Southern California, 1903-4; Professor of Medicine, 1905-9, 1914-20; Clinical Professor of Medicine, 1931-—.

CARL WHEELER RAND, A.B., A.M., M.D., Clinical Professor of Surgery (Neurological)

523 West Sixth Street, Los Angeles.

A.B., Williams College, 1908; A.M., 1909; M.D., Johns Hopkins University, 1912. Clinical Professor of Surgery, The University of Southern California, 1931-—.

PHILIP E. ROTHMAN, A.B., M.D., Clinical Professor of Medicine (Pediatrics)

3875 Wilshire Boulevard, Los Angeles.

A.B., Johns Hopkins University, 1922; M.D., 1925. Associate Clinical Professor of Medicine, The University of Southern California, 1931-39; Clinical Professor, 1939-—.

HENRY N. SHAW, A.B., M.D. Clinical Professor of Gynecology

523 West Sixth Street, Los Angeles.

A.B., Princeton University, 1907; M.D., Johns Hopkins University, 1913. Clinical Professor of Gynecology, The University of Southern California, 1931-—.

HARLAN SHOEMAKER, A.B., M.D. Clinical Professor of Surgery

1930 Wilshire Boulevard, Los Angeles.

A.B., Stanford University, 1899; M.D., University of Pennsylvania, 1902. Assistant Demonstrator of Gross Morbid Pathology, University of Pennsylvania, 1904-10; Assistant Demonstrator of Anatomy, College of Physicians and Surgeons, The University of Southern California, 1914-16; Associate Professor of Surgery, 1916-20; Clinical Professor of Surgery, The University of Southern California, 1931-—.

BERTNARD SMITH, B.S., M.D. Clinical Professor of Medicine

1930 Wilshire Boulevard, Los Angeles.

B.S., Knox College, 1898; M.D., Rush Medical College, 1903. Instructor in Bacteriology, University of Chicago, 1902-3; Clinical Professor of Medicine, The University of Southern California, 1932-—.

WILLARD J. STONE, B.S., M.D. Clinical Professor of Medicine

65 North Madison Avenue, Pasadena.

B.S., University of Michigan, 1899; M.D., 1901. Clinical Professor of Medicine, The University of Southern California, 1931-—.

VICTOR E. STORK, A.B., M.D., Clinical Professor of Medicine (Pediatrics)

1136 West Sixth Street, Los Angeles.

A.B., Stanford University, 1905; M.D., Columbia University, 1909. Clinical Professor of Medicine, The University of Southern California, 1931-—.

CHARLES T. STURGEON, M.D. Clinical Professor of Surgery

1930 Wilshire Boulevard, Los Angeles.

M.D., University of Michigan, 1904. Clinical Professor of Surgery, The University of Southern California, 1931- —.

CLARENCE GAINES TOLAND, M.D. Clinical Professor of Surgery

1930 Wilshire Boulevard, Los Angeles.

M.D., University Medical College of Kansas City, 1901. Associate Professor of Clinical Surgery, College of Medical Evangelists; Clinical Professor of Surgery, The University of Southern California, 1931- —.

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THE SCHOOL OF MEDICINE OF THE UNIVERSITY OF SOUTHERN CALIFORNIA

General Statement

The School of Medicine of The University of Southern California was organized May 2, 1885, and in the spring of 1888 the first class was graduated. In 1908 this school transferred its affiliation to the University of California; and August 11, 1909, the College of Physicians and Surgeons, an organization established in Los Angeles in 1904, became affiliated with The University of Southern California. In 1920, due to inability to secure adequate financial support, this school was discontinued.

In May, 1928, the present School of Medicine was established by the Board of Trustees as an integral part of the University. It was ordered that the School of Medicine be administered by the Board of Trustees, the President of the University, and the all-University committees on Admissions, Curriculum, and Scholarship in the same manner as are the other schools and colleges of the University. The responsibility for recommendations to the teaching staff and for the administration of regulations governing the classification of students was vested in an executive committee appointed by the Board of Trustees of the University.

On September 17, 1928, the School of Medicine admitted for instruction a freshman class of fifty-four students. Each subsequent year, with the exception of 1930-31, an additional year's work was offered, until in 1932-33 the complete five-year curriculum was available and the first class graduated. As in the past, the School will continue to limit the enrollment in the freshman class to fifty-four students.

Departments of Instruction

The faculty of the School of Medicine is organized into several departments, as follows, each with an administrative chief: Anatomy (including Histology), Bacteriology, Biochemistry, Medicine (and the medical specialties), Obstetrics and Gynecology, Pathology, Pharmacology, Physiology, and Surgery (including surgical specialties).

Clinical Facilities

Los Angeles, by reason of its situation and size, is an admirable location for a school of medicine. In the Los Angeles County Hospital opportunities for clinical observation and instruction are abundant. The wealth and variety of clinical material available in this institution make it pre-eminently advantageous for student, interne, and resident. The completion of a new building has greatly enlarged the capacity of this hospital, which now contains about 3,410 beds. In addition

to the services usually available in a general hospital, it contains a psychiatric unit and one devoted to contagious diseases. About 49,837 bed patients are cared for annually by this institution, whose out-patient department receives approximately 588,500 visits each year. The Children's Hospital also affords excellent facilities for the study of pediatrics and orthopedics. This is an institution of 180 beds with an out-patient service receiving about 81,346 visits annually.

Library Facilities

The Library of the School of Medicine, although begun only a few years ago, now consists of a good working collection of reference books and journals. At present it is housed in the basement of Bridge Hall, across the street from Science Hall on the University campus. Arrangements are made in order that students may use the facilities of the Library of the Los Angeles County Medical Association.

Admission

Admission Requirements. Admission to the first-year class of the School of Medicine requires the completion of a four-year high school course acceptable for admission to freshman standing in the College of Letters, Arts, and Sciences, and three full years of college work, totaling not fewer than 90 semester units, in a college or university approved by an accrediting agency acceptable to the Association of American Medical Colleges.

All candidates for admission to the School of Medicine are strongly urged to take the Scholastic Aptitude Test for Medical Students prepared by the special Committee of the Association of American Medical Colleges. Information regarding this test may be obtained from the deans of colleges of liberal arts or from the Secretary of the Committee, F. A. Moss, M.D., George Washington University, Washington, D.C.

The collegiate work presented for admission must include the minimum requirements of the Association of American Medical Colleges in general chemistry, organic chemistry, physics, biology, and English. In addition, courses in quantitative analysis, embryology, comparative anatomy, and French or German are required.

Requirements for Admission

The above minimum and additional requirements will be met if the 90 semester units of premedical work presented for admission include the equivalent of the following courses in the premedical curriculum at The University of Southern California. For descriptions of these courses, see the bulletin of the College of Letters, Arts, and Sciences.

		Semester units
Chemistry 2abL.	Inorganic Chemistry and Qualitative Analysis (lectures and laboratory)	8
Chemistry 50aL.	Analytical Chemistry: Introductory Quantitative Analysis, including Volumetric Analysis (lectures and laboratory)	3
Chemistry 122abL.	Organic Chemistry (lectures and laboratory)	8[2]
Zoology 1abL.	General Zoology (lectures and laboratory)	8
Zoology 100L.	Comparative Anatomy of Vertebrates (lectures and laboratory)	4[1]
Zoology 105L.	Embryology (lectures and laboratory)	4[1]
Physics 50abL.	General Physics (lectures and laboratory)	8
English 1ab.	Introductory Course, including Composition	6
French 1ab and 52ab, or German 1ab and 56ab		12[3]

The three-year premedical course offers fully the subject and unit requirements for admission to the School of Medicine. By an appropriate choice of electives in the premedical course it is possible for a student to secure an undergraduate major in either chemistry or biology, the chemistry and biology of the first year of medicine being taken into consideration. The completion of an undergraduate major in the three-year premedical course and the first year of medicine is required of those who seek both the A.B. and M.D. degrees. Students[4] who seek the A.B. degree must meet the lower division and general requirements of the University.

Recommended Three-Year Premedical Course

(Courses described in the bulletin of the College of Letters, Arts, and Sciences)

[1] A minimum of 3 instead of 4 semester units may be presented, provided such units represent a completed course in the subject described.

[2] A minimum of 6 instead of 8 semester units may be presented, provided such units represent a completed course in the subject described.

[3] Two years of French or German are required. One year may be completed in high school.

[4] See pages 36 and 37 in the bulletin of the College of Letters, Arts, and Sciences.

First Year

	Units 1st Sem.	2nd Sem.
Chemistry 2abL, Inorganic Chemistry and Qualitative Analysis	4	4
English 1ab, Introductory Course	3	3
English 50ab, Readings in English and American Literature	2	2
French 1ab or German 1ab	3	3
General Studies 2, Principles of Learning I	1	0
Mathematics 1ab, Elementary College Mathematics	2	2
[5]Physical Education Activities	1	1
Physical Education 49, Introduction to Health Education	0	1
	16	16

Second Year

[6]American Political Institutions	0	2
Chemistry 50aL, Analytical Chemistry: Introductory Quantitative Analysis	3	0
Fine Arts 58 or Music 91	0	2
French 52ab or German 56ab	3	3
General Studies 1ab, Man and Civilization	4	4
[5]Physical Education Activities	1	1
Zoology 1abL, General Zoology	4	4
	15	16

Third Year

Chemistry 122abL, Organic Chemistry	4	4
General Studies 51, Problems of Human Behavior	0	3
General Studies 52, Problems of Modern Society	3	0
Physics 50abL, General Physics	4	4
Zoology 100L, Comparative Anatomy of Vertebrates	4	0
Zoology 105L, Embryology	0	4
	15	15

Application for Admission. Applications for admission to the School of Medicine should be addressed to the Office of Admissions, The University of Southern California, Los Angeles. These should be received prior to March 1. Credentials supporting the application and all other information called for must be available promptly.

[5]To be selected from courses 2ab to 48ab inclusive.
[6]Either History 77, 2 units, or Political Science 55, 3 units.

Selection of Applicants. A limited number of applicants meeting the requirements for admission to the School of Medicine will be appointed each year to membership in the first-year class, the appointments being based on considerations of scholarship, character, personality, physique, and promise of future value in the medical profession. No applicant will be appointed whose average scholarship in premedical collegiate work is below C, and in general appointments are given only to students with averages of B– or higher in premedical studies. A personal interview is required of all applicants. Applicants will be accepted as soon as possible after requisite information has been received and following the personal interview. The personal interview, if warranted by the quality of the applicant's credentials or desirable for other reasons, will be arranged by the Dean of the School of Medicine after the application has been received and the applicant's credentials evaluated. Early applications are recommended; those received after March 1 cannot be given the same consideration as earlier applications.

Notice of Appointment. Notice of appointment to the first-year class will be sent to successful applicants. Written acceptance of the appointment, accompanied by an acceptance fee of twenty-five dollars, must be received by the Office of Admissions within ten days after notification of appointment.

The fees accompanying acceptances are not refundable, but may be applied as part payment of the tuition fees.

Admission with Advanced Standing. A student from another medical school may be admitted to advanced standing, provided (1) that there is a vacancy in the class; (2) that the applicant's premedical training fully meets the requirements for admission to this school; and (3) that the medical faculty is willing to accept the work done elsewhere as a satisfactory substitute, both in content and quality, for that portion of the curriculum from which he may be excused. Any student applying for admission with advanced standing may be required to qualify by passing a comprehensive examination or examinations in individual subjects. No student may be registered in the fourth year of the medical course who has not successfully completed the third year of the medical course in this school. No student may be registered who has failed in another medical school.

No individual possessing the degree of Doctor of Medicine may be registered as an undergraduate medical student. No individual possessing the degree of Doctor of Medicine may be registered as a graduate student unless his premedical and undergraduate training is considered to be the substantial equivalent of that required in this University.

Applicants for admission with advanced standing are required to file their applications with the Director of Admissions, who together with the Dean of the School of Medicine will determine whether the requirements have been met.

Scholarship

A student failing in any one subject may be permitted to repeat the work in whole or in part or to take another examination, or both, provided his general average, including the subject in which he failed, is C or above for the entire year.

A student who has failed to maintain an average of C in the required work of any year, but who has passed in all subjects, shall be given an opportunity to demonstrate his fitness for further study of medicine before a committee of the faculty to be appointed by the Dean. In accordance with the recommendation of this committee, the student shall be permitted or denied further registration. In order to avail himself of this opportunity, a student shall make written request therefor, within three days of the time when he is notified of his standing, and the examination shall be held within one week of the filing of his request.

Written or oral quizzes, recitations or examinations are given from time to time in several courses of lectures or clinics but are given in the time regularly assigned to such work and do not interfere with other work in progress.

In the third and fourth years the rating of students in medicine and surgery is determined not only by the final examination, which may include questions concerning subordinate subjects, but any marks given during the progress of any of the major or subordinate subjects or elective courses are taken into consideration in determining the final mark.

In the third and fourth years, the subjects to which the two regulations governing the promotion of students, as stated in the first two paragraphs of this section, will apply are four for the third year and three for the fourth year, namely, the principal subjects indicated as comprising the final examinations.

A student may be dismissed for poor scholarship or for any other reason if his presence as a student is considered by the Executive Committee to be prejudicial to the interests of the School of Medicine.

Subjects of Study

In the first year four subjects are included, a final examination and a mark being given in each subject:

Gross Anatomy
Biochemistry
Histology
Anatomy of the Nervous System

In the second year final examinations and marks are given in nine subjects:

Bacteriology and Immunology
Clinical Laboratory Methods
Obstetrics
Parasitology
General Pathology
Special Pathology
Pharmacology
Physical Diagnosis
Physiology

In the third and fourth years final examinations are given at the end of each year as follows:

Third Year (4 examinations)

(1) Pathology

(2) Medicine—to include the following:
- Dermatology
- Neurology
- Pediatrics
- Public Health
- Radiology

(3) Surgery—to include the following:
- Anesthesia
- Ophthalmology
- Orthopedics
- Otology, Rhinology, and Laryngology
- Urology

(4) Obstetrics and Gynecology

Fourth Year (3 examinations)

(1) Medicine—to include the following:
- Dermatology
- Neurology
- Pediatrics
- History of Medicine
- Medical Jurisprudence and Economics
- Therapeutics

(2) Surgery—to include the following:
- Ophthalmology
- Orthopedics
- Otology, Rhinology, and Laryngology
- Urology
- Neurosurgery
- Oral Surgery

(3) Obstetrics and Gynecology

The Fifth Interne Year

Following the completion of the fourth year, students are required to secure an interneship in a hospital approved for interneship by the Executive Committee. They are required to register for this fifth year, no fee being charged for such registration, and to make such reports from time to time during the progress of the interneship as may be required by the Executive Committee or its representatives. Conferences or examinations may be required of fifth-year students during or at the end of the interne year before recommendation for the degree of Doctor of Medicine. In special cases a year of laboratory work may be substituted for the interne year.

Degrees

The Degree of Doctor of Medicine. The five-year course in the School of Medicine leads to the degree of Doctor of Medicine (M.D.). The fifth year must be spent in practical medical work under competent supervision. The degree is not conferred until after the satisfactory completion of this requirement.

The Degree of Bachelor of Arts. A student may receive the degree of A.B. at the end of the first year in the School of Medicine, if he has met the admission requirements for that degree; has completed, in the College of Letters, Arts, and Sciences, 94 units with ninety-four grade points computed on those units, of which at least 28 units have been completed at The University of Southern California, and has included the lower division and *general requirements and the requirements for admission to the School of Medicine; and has completed the prescribed work (32 units) of the first year for the degree of M.D. For the undergraduate degree, the student must present a specified number of required and elective units and at least an equal number of grade points computed on these units.

If the student has met all subject requirements, but enters the School of Medicine with a minimum of 90 units, with at least an equal number of grade points computed on these units, he may substitute units in the fundamental sciences of the second year of medicine for the units he is lacking in the College of Letters, Arts, and Sciences.

The Degrees of Master of Arts and Doctor of Philosophy. Most of the courses included in the curriculum of the first two years of the medical course are accepted by the Council on Graduate Study and Research for graduate credit. Properly qualified individuals may pursue special work in the preclinical departments leading to the master's and doctor's degrees.

Special courses in preclinical and clinical subjects not leading to any degree are offered from time to time for those possessing the degree of Doctor of Medicine.

Fees and Expenses

†Tuition for college year (including acceptance fee)....	$400.00
This fee may be paid at time of registration at the beginning of the first semester or in two installments of $200; one at the beginning of the first semester, the second at the beginning of the second semester.	
Registration fee, per semester (required of all students and not refundable).....	11.00
Library fee, per semester.....	5.00
‡Deposits:	
First year—	
Histology	10.00
Biochemistry	10.00

*The general requirements, with the exception of the two units of United States Constitution or its equivalent, will not be required of transferring premedical students who enter the University at the beginning of their fourth year.

†Students discontinuing their work at any time during the first semester will be charged a tuition fee of $200. If they have paid the tuition fee of $400 for the whole year they may receive a refund of $200. No refunds of tuition are available for students discontinuing their work during any part of the second semester.

‡At the end of the year, after the cost of equipment broken is deducted, the balance is refunded.

Second year—	
Bacteriology and Pathology	$ 10.00
Physiology and Pharmacology	10.00
Late registration	3.00

This fee is charged if tuition and fees are not paid before the first day of instruction. Registration must be completed on the days appointed for the registration of each class. No student will be permitted to register later than the last day of the first week of instruction.

Graduation fee	10.00

Special examinations. A fee of three dollars is charged for each of the following special examinations:

1. Examinations for credit on work for which special credentials cannot be supplied.
2. Examinations to make up grades of Ie.
3. Examinations given outside regular examination schedule.

County Hospital fee, per semester	2.50
Clinical Obstetrics fee	10.00
X-ray fee	2.00

The University reserves the right to change without notice any of the rates printed in this bulletin.

Each student is required at the beginning of the course to provide himself with a satisfactory microscope. It is recommended that the purchase of the microscope be deferred until after consultation with a member of the faculty. The cost of books, instruments, gowns, et cetera, varies from year to year but on the average is about $50.00 to $70.00 annually.

Board and room are provided in the Residence Halls at the lowest reasonable cost. A limited number of men in the professional schools can be accommodated in Aeneas Hall. Rooms are engaged by the semester and may not be vacated within that time. The cost per semester, of room and board six days a week in Aeneas Hall, is from $185 to $200 for a single room and from $160 to $175 for a double room. Fees are payable by the semester, and a deposit of $10 (not refundable) must accompany application for rooms. This deposit is deducted from the amount payable at registration. Students residing in the dormitory must make a breakage deposit of $10.00. After the cost of damages is deducted, the balance is refunded at the end of the year.

All inquiries concerning fees and accommodations at Aeneas Hall and the requests for reservations should be addressed to the Manager of Aeneas Hall, 837 West Thirty-sixth Place.

Room and board may be obtained in private homes at a cost ranging from $35 to $50 per month.

COURSES OF INSTRUCTION IN MEDICINE

Place, Unit Value, and Semester Designations

The symbols for place designations here used should be interpreted as follows: U.P. *indicates that the course is offered on the University Park campus;* Co. H., *at the Los Angeles County Hospital.*

The unit value for each course is indicated for each semester by a numeral in parentheses following the hour designation.

The symbol I *indicates first semester of the academic year;* II, *second semester;* I, II, *both first and second semesters; and* I-II, *throughout the year.*

*Course numbers preceded by the symbol * are available for graduate credit.*

Department of Anatomy

Honorary Professor: Barnhill
Professors: McKibben, MacCallum (Acting Head of Department)
Associate Professor: Mellinger
Assistant Professor: Patek
Instructors: Bartosh, Fulton, Snow

FIRST YEAR

***300ab. Gross Human Anatomy.** A complete dissection of the human body. Occasional lectures and recitations. At the beginning of the course several lectures are given introductory to the work in the dissecting room.

The bones and gross sections of the body are studied in connection with the dissection of each region.

When the dissection of the abdomen begins, the development of the human body with special reference to the circulatory, respiratory, gastrointestinal, and genitourinary systems is considered.

The dissection is divided into the following parts:

(1) Dissection of the upper extremity.
(2) Dissection of the lower extremity.
(3) Dissection of the abdomen.
(4) Dissection of the thorax.
(5) Dissection of the head, neck, and back.

Examinations are given immediately on the completion of each part, and a general examination covering the gross anatomy of the whole body concludes the course.

U.P. (500 hrs.) (7-7) I-II. Bartosh, Patek, McKibben

***310. Human Histology.** A study of certain elements of cytology, histology, and organology. It covers in a general way all tissues and organs of the body, but special emphasis is placed on the study of the circulatory, respiratory, alimentary, genitourinary, and endocrine systems. The development of certain organs is considered, and frequent use is made of fresh

tissues. Lectures, demonstrations, and recitations are given as required.
U.P. (168 hrs.) (5) I. MacCallum and Staff

***320. Anatomy of the Nervous System.** A course given in conjunction with the dissection of the head and neck. A detailed study of the spinal cord is first undertaken. This is followed by the dissection of the brain of the sheep and the dissection of the human brain. A study of microscopic sections of the brain stem and the cerebral cortex follows the dissection of the human brain; and the connections of the more important conduction pathways within the central nervous system are dealt with, as well as the structure and connections of the organs of special sense. Functional relationships are stressed rather than morphological detail. Lectures and demonstrations are given as required.
U.P. (112 hrs.) (4) II. MacCallum and Staff

GRADUATE COURSE

280ab. Research in Anatomy. Materials and equipment are available for investigation by those properly qualified.
U.P. (2-6—2-6) I-II. McKibben, MacCallum

Department of Biochemistry

Professor: Deuel (Head of Department)
Instructor: Blunden
Assistants: Comstock, Farmer

FIRST YEAR

***340ab. Biochemistry.** A consideration of the physical chemical basis of life processes and the chemical composition of the tissues and secretions, with special attention to the metabolism of the human body.
U.P. (88 hrs.) (3) I—(168 hrs.) (6) II. Deuel and Staff

GRADUATE COURSES

200L. Biochemistry. (Advanced.) Individual and group instruction for students who have had an elementary course equivalent to 340ab. A knowledge of physiology and organic chemistry is also requisite. A laboratory course including the separation, purification, and identification of various products of biochemical interest.
U.P. (2-4) I, II. Deuel and Staff

240ab. Seminar in Biochemistry. Students are required to prepare abstracts of papers appearing in English, German, and French biochemical literature; these are discussed in connection with recent advances in biochemistry and physiology. Open to students having a comprehensive knowledge of biochemistry.
U P. (2-2) I-II. Deuel and Staff

242L. Theoretical and Practical Considerations in Vitamin Study. The chemistry and physiology of the vitamins; the critical evaluation of analytical methods of determination. Chemical and biological assays of the various vitamins. *Prerequisite:* previous training in chemistry, biochemistry, physiology, and other biological and preclinical subjects. Lecture, 1 hour; laboratory and related work, 6 hours.

U.P. (3) I—offered 1941-42 and alternate years.

Deuel and Staff

244L. Theoretical and Practical Considerations in Hormone Study. The chemical nature of the hormones; the evaluation of analytical methods of determination. Chemical and biological assays of the various hormones. *Prerequisite:* previous training in chemistry, biochemistry, physiology, and other biological and preclinical subjects. Lecture, 1 hour; laboratory and related work, 6 hours.

U.P. (3) I—offered 1940-41 and alternate years.

Deuel and Staff

246. Metabolism in Health and Disease. The effects of various physiological conditions on the intermediary metabolism of foodstuffs. Basal metabolism in normal and abnormal states. *Prerequisite:* previous training in chemistry, biochemistry, physiology, and other biological and preclinical subjects. Lecture, 2 hours.

U.P. (2) II—offered 1941-42 and alternate years.

Deuel and Staff

282ab. Research in Biochemistry. Open to graduate students properly qualified in biochemistry and physiology. Hours to be arranged.

U.P. (2-6—2-6) I-II. Deuel and Staff

Department of Physiology

Professor: Drury (Head of Department)
Lecturer: Prinzmetal
Assistant Professor: Greeley
Instructors: MacColl, Martin

SECOND YEAR

***400. Physiology.** Lecture, library, and laboratory work in the mechanics of living matter, with special reference to man. The activities of tissues as systems for integrated action in the interests of the body as a whole will be presented in detail.

U.P. (256 hrs.) (7) I. Drury and Staff

GRADUATE COURSES

250ab. Seminar in Physiology and Pharmacology. Offered jointly by the staffs in Physiology and Pharmacology. Students are required to prepare abstracts of papers appearing in

English, German, and French physiological and pharmacological literature. Open to properly qualified students.
U.P. (2-2) I-II. Drury, Thienes

274L. Quantitative Physiology. The standard quantitative procedures used in functional pathology, including methods for studying general and special metabolism and the circulatory, respiratory, and renal systems. Open to advanced students in physiology.
U.P. (2-4) I, II. Drury and Staff

284ab. Research in Physiology. Properly qualified students will be permitted to engage in investigation. Hours and credits to be arranged.
U.P. (2-6—2-6) I-II. Drury and Staff

Department of Pharmacology

Professor: Thienes (Head of Department)
Instructors: Leser, Lombard

SECOND YEAR

***410. Pharmacology and Toxicology.** Experiments and discussions dealing with the actions, chemical nature, sources, official preparations, and dosage of such drugs and poisons as are of importance in the practice of medicine.
U.P. (200 hrs.) (5) II. Thienes and Staff

GRADUATE COURSES

230. Seminar in Applied Pharmacology. Students will prepare reports on recent experimental and clinical developments in chemical therapeutics. For properly qualified students.
U.P. (2) I, II. Thienes and Staff

250ab. Seminar in Physiology and Pharmacology. Offered jointly by the staffs in Physiology and Pharmacology. Students are required to prepare abstracts of papers appearing in English, German, and French physiological and pharmacological literature. Open to properly qualified students.
U.P. (2-2) I-II. Thienes, Drury

276L. Advanced Toxicology. Discussion of etiology, symptoms, pathology, diagnosis, and treatment of poisoning; laboratory exercises on the isolation and identification of important toxic substances from tissues and body fluids. For properly qualified students.
U.P. (2) I, II. Thienes and Staff

286ab. Research in Pharmacology. Properly qualified students will be permitted to engage in investigation. Hours and credits to be arranged.
U.P. (2-6—2-6) I-II. Thienes and Staff

Department of Pathology

Professor: Hall (Head of Department)
Associate Professors: Butt, Foord
Assistant Professor: Budd
Instructors: Edmondson, Tragerman, Wright
Assistants: Agress, Goto, Horner, Meadoff, Pollock, Wadsworth
Fellow: Bonynge

SECOND YEAR

***450. General Pathology.** Lectures and laboratory work dealing with the fundamental disease processes, including disturbances of the circulation, degenerative and proliferative cellular reactions. Inflammation and tissue repair considered in detail.

U.P. (144 hrs.) (6) I. Hall and Staff

***451. Pathology of Tumors.** A continuation of 450. Lectures and laboratory exercises considering the biology, gross and microscopic pathology of benign and malignant tumors common to the various systems and organs. A loan set of microscopic preparations furnished each student.

U.P. (35 hrs.) (2) II. Hall and Staff

Special Pathology

***452. Pathology of the Infectious Diseases.** The acute bacterial infections, the virus diseases, and the infectious granulomata are considered. A demonstration of gross autopsy material each week.

U.P. (35 hrs.) (2) II. Hall and Staff

THIRD YEAR

550. Pathology of Chronic Diseases. A consideration of the more chronic diseases of the blood vessels, kidneys, liver, and gastrointestinal tract. The pathology of the endocrine glands. A conference and diagnostic exercise on gross autopsy material each week.

Co. H. (64 hrs.) I. Butt, Hall, and Staff

Students are expected to attend as many autopsies as possible. Students are required to witness autopsies performed on patients for whom they have been responsible as Clinical Clerks on the Wards. Each student is required to prepare at least five autopsy protocols.

FOURTH YEAR

Clinical Pathological Conference. Once a week throughout the year.

Co. H. (32 hrs.). Hall and Staff

GRADUATE COURSES

270ab. Seminar in Pathology. Current literature in the field of pathology embracing the important journals in English, German, and French is abstracted and discussed. Important advances in the field are considered. Primarily for the staff but open to a limited number of advanced students.
Co. H. (2-2) I-II. Hall and Staff

290ab. Research in Pathology. Open to properly qualified students who have completed courses 450, 451, 452, and 550.
U.P. (2-6—2-6) I-II. Hall and Staff

Department of Bacteriology

Professor: Kessel (Head of Department)
Associate Professor: Hoyt
Instructors: Arthur, Fisk, Stimpert
Assistants: Cavell, Ward

SECOND YEAR

***440. Bacteriology.** The bacteria, rickettsiae, spirochetes, and filterable viruses which serve as etiologic agents in human disease are studied with reference to their morphologic and physiologic characteristics, their epidemiologic relationship and their pathogenicity in man and animals. Courses 440 and 441 are given in combination.
U.P. (112 hrs.) (4) I. Kessel, Hoyt, and Staff

***441. Serology and Immunology.** A basic course emphasizing the principles underlying infection and resistance. The student is required to familiarize himself with the practical laboratory procedures based on these phenomena.
U.P. (56 hrs.) (2) I. Hoyt, Kessel, and Staff

***442. Medical Parasitology and Mycology.** The protozoa, helminths, and insects important as the causes and vectors of disease are studied, special emphasis being placed on the laboratory diagnosis and clinical manifestations of the parasitic diseases most commonly encountered in this region. One portion of the course is devoted to the special consideration of the pathogenic fungi, many of which are endemic in California.
U.P. (112 hrs.) (3) II. Kessel and Staff

GRADUATE COURSES

260ab. Seminar in Microbiology. Reports and discussions on recent advances in bacteriology, mycology, parasitology, or serology. Open to qualified students and physicians.
U.P. (2-2) I-II. Kessel and Staff

272. Filterable Viruses. Lectures, conferences, and laboratory work on the viruses responsible for diseases of plants, animals, and man. Open to properly qualified students.
U.P. (2) II. Hoyt, Fisk

288abL. Research in Bacteriology and Parasitology.
U.P. (2-6—2-6) I-II. Kessel and Staff

Department of Medicine

Honorary Professor: Dock
Professor: Raulston (Head of Department)
Clinical Professors: Bower, Mason, Pottenger, Smith, Stone, West
Associate Clinical Professors: Anderson, Berman, Boeck, Cunningham, Keeney, Kristensen, Lacey, Leake, Nathanson, Ruddock, Shelton, Singer, Strouse, Thomas, Ware, Webster
Assistant Professors: Noble, Roberts
Assistant Clinical Professors: Askey, Beckett, Bennett, Bittner, Coffin, Cunnane, Hamilton, Hare, Hoffman, Houck, Kahn, Martin, Nevius, Otto, Rapaport, Sampson, Van Scoyoc, Vener
Instructors: Armen, Boland, Bosworth, Brandsma, Brown, Bullock, Burns, Cates, Cherry, Corlette, Crane, Cummings, Davison, Dennis, Donelan, Dougherty, Duvall, Evans, Fitzgibbon, Francis, Gibson, Goodman, Grishaw, Hendricks, Henstell, Kay, Kellogg, Lynch, Lyster, McClelland, McCune, Magnuson, Marxer, Meals, Murray, Nelson, Olsen, Pottenger, Prinzmetal, Reding, Reynolds, Rosove, Scoins, Shelton, Smart, Smith, Tager, Tyroler, Williams
Assistants: Barnum, Brem, Fein, Martin, Page, Soll

Dermatology

Lecturer: Goeckerman
Clinical Professor: Frost
Associate Clinical Professors: Campbell, Chambers, Wilhelm
Instructors: Anderson, Halloran, Scholtz
Assistants: Fisher, Robinson

Experimental Medicine

Associate Professor: Bonynge
Instructor: Townsend

Neurology

Clinical Professor: Ingham
Associate Clinical Professors: Carter, Nielsen
Assistant Clinical Professor: Ziskind
Instructor: Von Hagen

Pediatrics

Lecturer: Karshner
Clinical Professors: Rothman, Stork
Associate Clinical Professors: Berkley, Fish, Reiss
Assistant Clinical Professors: Dietrich, Nixon
Instructors: Cooder, Harrison, Jorgensen, Pettet, Shelby
Assistant: Spishakoff

Public Health and Preventive Medicine

Professor: Lamson
Emeritus Lecturer: Reynolds
Lecturers: Geiger, Heterick, Kellogg, Meyer
Instructor: Bacon

Radiology

Clinical Professors: Carter, Davis
Assistant Clinical Professors: Bailey, Costolow, Johnson
Instructors: Judson, Levi, Mershon, Taylor

SECOND YEAR

480. Physical Diagnosis. Demonstrations and practice in the methods of physical diagnosis. An attempt is made to have the student recognize average normal and, as far as possible, contrast these with abnormal conditions. During the last four weeks of the course students are assigned to wards in the hospital for practice in history writing and physical examination of patients. Complete records are submitted by each student to his instructor for correction and discussion.
Co. H. (96 hrs.) (2) II. Anderson and Staff

482. Clinical Laboratory Methods. Practice in the use of methods necessary for routine clinical work. The student makes examinations of urine, gastric contents, feces, sputum, blood, and cerebro-spinal fluid.
U.P. (96 hrs.) (3) II. Butt, Nelson, and Assistants

Neurology. Lectures, review of anatomy and physiology as related to the central nervous system, followed by introduction to pathological variations.
(16 hrs.) II. Ingham, Nielsen

THIRD YEAR

580ab. Third Year Medicine.
Co. H. (803 hrs.).

Ward Work in General Medicine. (Medical Clerkship.) Work begins immediately after the end of the second year. Each student spends half of the summer between the second and third years, approximately eight weeks, in the wards of the medical service in the Los Angeles County Hospital. All new patients entering these wards are assigned to the clinical clerks for a complete work-up, history, physical examination, and routine laboratory work. The clerk's record constitutes a part of the permanent hospital chart of the patient. There are no formal or set exercises during this period.
(280 hrs.).

During the first semester of the third year the entire class is assigned to the medical wards of the Los Angeles County Hospital for clinical clerkship. The work is a continuation of that done during the preceding summer, with the addition of four bedside conferences for each group of six to eight students each week. These exercises are under the direction of the senior attending physician on the ward, but the record of the patient under consideration is always presented by the student responsible for that patient.
(204 hrs.) I.

In the second semester the class is divided into two groups, each of which spends half of the semester in the medical wards. Groups of six students are assigned weekly to special problems in clinical medicine. They study groups of patients with diseases that involve predominantly certain systems of the body, and are required to report upon the patients studied and the literature dealing with the subject in question.
(80 hrs.) II.

Askey, Hare, Hoffman, Kahn, Keeney, Leake, Martin, Noble, Raulston, Ruddock, Thomas, Ware, Webster, West

***Clinic in General Medicine.**
(32 hrs.) I-II. Mason

Pediatrics. Lectures dealing with growth and development, infant feeding, disease of the newborn, and contagion.
(32 hrs.) I-II. Dietrich, Reiss, Rothman

The class is divided into groups of about eight students for ward demonstrations of the management of the newborn and of contagious diseases.
(4 hrs.) II. Rothman, Reiss

Dermatology. Lectures and demonstrations.
(16 hrs.) II. Anderson

Psychiatry. Lectures and presentation of patients in clinic.
(16 hrs.) II. Ingham

Clinical-Radiological Conference. Diagnosis and radiotherapy.
(16 hrs.) I-II. Carter, Costolow

Radiology. Lectures with demonstration of films and lantern slides.
(11 hrs.) I. Davis

*Attended by students of the third- and fourth-year classes.

Clerkship in Neurology. Wards for disease of the central nervous system. 8:30 to 11:15 daily for four weeks (included in Medical Clerkship).

Ingham, Nielsen, and Staff

Therapeutics.
(32 hrs.) I. Roberts

Tuberculosis. Set clinic on pulmonary tuberculosis.
(16 hrs.) II. Bennett, Cunningham, Pottenger

In the second semester, two weeks of the clinical clerkship are spent on wards for tuberculosis patients.

Bittner, Bosworth, Smart

Conferences on Special Topics in Internal Medicine.
(48 hrs.) I-II.
Berman, Leake, Noble, Raulston, Ware, Webster, West

Public Health and Preventive Medicine

Lectures on Preventive Medicine and Public Health.
(32 hrs.) I-II.

Survey of Some Practical Problem Connected with Preventive Medicine or Public Health. To be completed during either the third or fourth year.
(About 96 hrs.). Lamson

FOURTH YEAR

680ab. Fourth Year Medicine.
Co. H. (679 hrs.).

Out-patient Service, General Medicine. During the summer vacation students who have completed the third year begin work in the out-patient department. The class is divided into sections, each section being on duty for a portion of the summer.
(80 hrs.).

One third of the class during each clinical period. The group is subdivided for forenoon work in out-patient departments for tuberculosis, heart disease, neurology, allergy, and syphilis: Four mornings, 9:30 to 11:15. The entire group spends five afternoons per week, 1:00 to 5:00, in the out-patient department in general medicine.
(240 hrs.—one clinical period).

Cates, Houck, Raulston, Roberts, Sampson

***Clinic in General Medicine.**
(32 hrs.) I-II. Mason

Clinical Pediatrics. The entire class will spend Wednesday morning at the Children's Hospital. Two hours will be devoted to a clinic in pediatrics where students previously assigned will present patients.
(64 hrs.) I-II. Dietrich, Rothman, and Staff

Contagious Diseases. One third of the class will spend three hours a week in ward rounds and demonstrations during the clinical period.
(33 hrs.). Bower and Staff

Neurology. The section attending the medical out-patient service will spend two mornings a week in Neurology Clinic.
(48 hrs.) Ingham, Nielsen, and Staff

Dermatology. Out-patient service during one clinical period.
(36 hrs.). Frost, Chambers, and Staff

Syphilis. Groups of five to eight students in out-patient clinic for diagnosis and treatment of syphilis.
(60 hrs.).

Psychiatry. Clerkship on psychiatric wards.
(60 hrs.). Ingham, Carter

Medical Jurisprudence and Economics. Six lectures.
(6 hrs.).

Dietetics. Groups of eight students will spend four hours a week for five weeks on the subject of dietetics. Lectures and practical experience. Each student is required to weigh his diet and make an accurate detailed report covering a period of one week.
(20 hrs.).

Elective Courses

Diseases of the Gastrointestinal Tract. An intensive study for a small group. Second or third clinical period.

Neuropsychiatry. Ward and out-patient work.

Syphilis. By the staff in dermatology with special reference to treatment.

Pediatrics. Out-patient work.

*Attended by students of the third- and fourth-year classes.

Department of Surgery

Emeritus Professor: Rowan
Clinical Professors: Andrews, Hunt, Kahn, Moore, Shoemaker, Sturgeon, Toland
Associate Professor: Berne (Acting Head of Department)
Associate Clinical Professors: Bayley, Chaffin, Daniels, Dodge, Murrieta, Schiffbauer, Sherry
Assistant Clinical Professors: Cunnane, Kiskadden, Larson, Norris, Olch, Sebastian
Instructors: Askey, Chipman, Cooper, Flamson, Garfield, Henry, Hillyard, Johnson, Kerlan, Kroger, O'Neill, Paine, Pallette, Pattison, Reed, Schmoele, Snyder, Totten, Vinetz
Assistant: Belt

Anesthesia

Associate Clinical Professor: McCuskey
Instructors: Brown, Heissig

Neurological Surgery

Clinical Professor: Rand
Assistant Clinical Professors: Adelstein, Patterson
Instructors: Raney, Reeves

Ophthalmology

Clinical Professors: Fisher, Irvine, Walker
Associate Clinical Professors: Dow, LaMotte
Instructors: Endres, Hale, Irvine, Landegger, Lordan, Weeks, Wilson
Assistants: McCoy, Nesburn, Preston, Wilson

Oral Surgery

Associate Clinical Professors: McCoy, Tholen
Instructor: Balyeat

Orthopedic Surgery

Clinical Professor: Wilson
Associate Clinical Professor: Dunlop
Assistant Clinical Professors: Stewart, Thurber
Instructors: King, Luck, McKeever, McMaster, Mathews, Meade, Plimpton, Shelton, Thompson, Walker

Otology, Rhinology, Laryngology

Emeritus Professor: Hastings
Clinical Professor: Brown
Associate Clinical Professors: Detling, Guggenheim, Jesberg, Lewis, Linthicum, Pohlman, Viole
Instructors: Bowman, Bullis, Hall, Miller
Assistants: Dysart, Goldberg, House, Keiper, Nilsson, Roberts, Smith, Walker

Urology

Associate Clinical Professors: Crane, Ferrier, Hager, Scholl
Assistant Clinical Professors: Fieseler, Rusche
Instructors: Bacon, Bennetts, Craig
Assistants: Silver, Stewart

THIRD YEAR

500ab. Third Year Surgery.
Co. H. (261 hrs.).

Principles of Surgery. A conference course on the principles of surgery. Three hours each week during the first semester of the third year.
(48 hrs.) I. Pattison

Clinic in General Surgery. Demonstration clinics are held for one hour each week during the third year. These are clinics in which special attention will be given to direct and differential diagnosis and indications for treatment.
(32 hrs.) I-II. Berne and Staff

Dispensary Clinics. The class is divided into sections and for one half of the second semester work in the Out-patient Department for two hours three days each week.
(48 hrs.). Berne and Staff

Emergency Surgery. Groups of three or four students attend the service of the Los Angeles Receiving Hospital for periods of one week during the second semester.
(15 hrs.). Dodge and Sebastian

Urology. Conference course for one hour each week during the first semester.
(16 hrs.). Fieseler

The class divided in sections spends two hours each week for one half of the second semester in clinical work in urology.
(16 hrs.). Ferrier, Hager, Fieseler, Craig

Bone and Joint Surgery. Clinical conference course two hours each week during the second semester.
(32 hrs.). Wilson and Staff

Ophthalmology. Conference course on the commoner diseases of the eye, one hour each week during the second semester.
(16 hrs.). Irvine and Staff

Otology, Rhinology, and Laryngology. Conference course one hour each week during the second semester.
(16 hrs.). Brown and Staff

Anesthesia. Conference course each week for six weeks during the second semester.
(6 hrs.). McCuskey

Proctology. Conference course one hour each week for six weeks during the second semester.
(6 hrs.). Murrieta

Neurological Surgery. Conference course one hour each week for six weeks during the second semester.
(6 hrs.). Patterson

FOURTH YEAR

600ab. Fourth Year Surgery.
Co. H. (433 hrs.).

Ward Work in Surgery (Surgical Clerkship). One third of the class is divided into two sections, these students serving as clinical clerks in the surgical wards during one clinical period of eleven weeks. Members of the staff will make ward rounds with each section for two hours four days each week. During this period the students will give anesthetics under supervision.
(176 hrs.). Bayley, Berne, Sherry, Shoemaker, Sturgeon

Demonstration Clinic in Surgery. One hour each week throughout the year. Includes clinics in neurosurgery, proctology, chest surgery, orthopedic surgery, and oral surgery.
(32 hrs.). Berne and Staff

Orthopedic Surgery. A clinical conference course is given to the entire class for two hours a week for thirteen weeks during the fourth year.
(26 hrs.). Wilson and Staff

Urology. Conferences and ward rounds during one clinical period.
(12 hrs.). Crane and Ferrier

Ophthalmology. Clinical conference for two hours once each week to small groups during one clinical period.
(22 hrs.). Irvine and Staff

Otology, Rhinology, and Laryngology. Clinical conference course two hours each week to small groups during one clinical period.
(22 hrs.). Brown and Staff

Malignancy. Each section of the surgical clerkship group meets for three hours once a week for study of patients on the malignancy service.
(33 hrs.). Olch

Surgical Pathology. Each section of the surgical clerkship group meets for three hours once each week during the clerkship period.
(22 hrs.). Budd and McMaster

Lectures in Surgery. Conference course on abdominal surgery one hour each week during the year,
(32 hrs.). Hunt

Emergency Surgery. Each section of the surgical clerkship group meets for five hours one night each week during the clerkship period at the County Hospital.
(55 hrs.). Berne and Staff

Chest. (Included in Surgical Clerkship.)
Schiffbauer

Fractures. (Included in Surgical Clerkship.)
Wilson and Staff

Neurological Surgery. (Included in Surgical Clerkship and demonstration clinic.)
Rand

Oral Surgery. (Included in Surgical Clerkship.)
Tholen and Staff

Elective Courses

Ophthalmology. Training in refraction, and practical instruction in diagnosis and treatment of the eye in the Out-patient Department.
(Third clinical period.)

Otology, Rhinology, and Laryngology. Out-patient work.

Department of Obstetrics and Gynecology

Lecturer: Bassett (Obstetrics)
Clinical Professor: Shaw (Gynecology) (Acting Co-Head of Department)
Associate Clinical Professors: Hanley (Acting Co-Head of Department), Krahulik, Tollefson
Assistant Clinical Professors: Henriksen (Gynecology), McBurney, McCausland, Marshall
Instructors: Drane, Fagan, Judd, Krohn, McCarthy, McDermott, Martins, Reynolds, Rogers, Silton, Spencer, Stilwell, Webb
Assistants: Gafford (Gynecology), Harris, O'Neill, Priver, Sturdevant

The work in obstetrics and gynecology consists of recitations, conferences, clinical lectures, ward rounds, prenatal and postpartum clinics, attendance upon cases in labor, and manikin practice. All work is supervised by a member of the staff.

SECOND YEAR

420. Introduction to Obstetrics and Gynecology. The female pelvis and genitalia, puberty and menstruation, reproduction, developmental anomalies, anatomy, physiology and diagnosis of pregnancy.
U.P. (16 hrs.) (1) II.

THIRD YEAR

520ab. Third Year Obstetrics and Gynecology.
Co. H. (94 hrs.).

Physiology of labor and the puerperium; management of normal pregnancy, labor and the puerperium.
(16 hrs.) I.

Pathology of pregnancy, labor and the puerperium; obstetrical operations.
(16 hrs.) II.

Principles of Gynecology. A conference course on the principles of gynecology. One hour each week.
(32 hrs.) I-II. Shaw and Staff

Diagnostic Clinic in Gynecology. The examination of patients, under anesthesia. Limited to groups of three students.
(6 hrs.). Shaw and Staff

Manikin Practice. Under the supervision of an instructor each student is required to perform each of the various obstetrical procedures upon the manikin. Thorough instruction in the mechanism of labor, a quiz upon operative obstetrics, and the diagnosis and treatment of all complications of labor are included in this course. For groups of six students, six demonstrations of two hours each.
(12 hrs.) II.

Obstetrical and Gynecological Pathology. Lecture and demonstration of gross and microscopic anatomy. Limited to six students, twelve hours.
(12 hrs.) II.

FOURTH YEAR

620ab. Fourth Year Obstetrics and Gynecology.
Co. H. (332 hrs.).

Pathology of pregnancy, labor and the puerperium; obstetrical operations.
(16 hrs.).

Clinical and Operative Obstetrics. Presentation of pathological and operative cases, and demonstrations of obstetrical operations upon the manikin.
(16 hrs.).

Conference Course in Obstetrics and Gynecology. Recitation and quiz on obstetrics and gynecology. A general review.
(20 hrs.).

Clinical Obstetrics. The bloc system is used in this Department. Sections limited to twelve students are assigned to Clinical Obstetrics for four weeks during the summer vacation period between the third and fourth years.
(280 hrs.).

During this period their entire time is devoted to obstetrics, as follows:

Maternity Service. An out-patient obstetrical dispensary which annually conducts 1,800 deliveries and averages 12,000 dispensary visits for prenatal or postpartum care. Each student attends prenatal and postpartum clinics, personally examining a large number of cases, and conducts from ten to fifteen labors. All dispensary work and student deliveries are done under the immediate supervision of a teaching obstetrician. For groups of four students for a period of two weeks.

Los Angeles County Hospital. Eight students spend two weeks in residence in the Obstetrical Department of this Hospital. Intensive training is given in prenatal and postpartum care, and the conduct of labor. During his service the student witnesses all normal and operative deliveries (not less than 100), makes daily ward rounds with a member of the teaching staff, serves as clinical clerk on the ward, attends weekly obstetrical conferences conducted by the staff.

Ward Work in Gynecology. Students act as clinical clerks in the wards of the Los Angeles County Hospital, and under the direction of the staff will follow the preoperative, operative, and postoperative care of gynecological cases. Ward rounds with the staff are made three times each week. Limited to groups of eight students, serving for four weeks during the obstetrical clinical period.

Dispensary Clinics in Gynecology. Conference in practical gynecology, given in connection with the "Ward Work in Gynecology" in the Out-Patient Gynecological Department of the Los Angeles County Hospital.

SCHOOL OF MEDICINE

Summary of Hours

1940-41

	First Year	Second Year	Third Year	Fourth Year	Total
Anatomy—Gross	500	.....	.....	.....	500
Histology	168	.....	.....	.....	168
Nervous System	112	.....	.....	.....	112
Biochemistry	256	.....	.....	.....	256
Physiology	.....	256	.....	.....	256
Pharmacology	.....	200	.....	.....	200
Pathology	.....	214	64	32	310
Bacteriology	.....	112	.....	.....	112
Immunology	.....	56	.....	.....	56
Parasitology	.....	112	.....	.....	112
Public Health	.....	.....	80	48	128
Medicine—including: Pediatrics, Dermatology, Radiology, Neuropsychiatry	.....	192	803	679	1,674
Surgery—including: Orthopedics, Urology, Ophthalmology, Otology, Rhinology, and Laryngology, Neurosurgery, Oral Surgery	.....	.....	261	399	660
Obstetrics and Gynecology	.....	16	94	*332	*442
Electives	.....	.....	.....	†176	.....
	1,036	1,158	1,302	1,490	4,986

*Includes Clinical Obstetrics.
†Not included in total.

SCHOOL OF MEDICINE
SCHEDULE OF FIRST-YEAR CLASSES, 1940-41
First Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 12	Gross Human Anatomy Med. 300a					Biochemistry Med. 340a
1:15 to 4:45	Histology Med. 310	Biochemistry Med. 340a 1:15-3:15	Histology Med. 310	Biochemistry Med. 340a 1:15-3:15	Histology Med. 310	

SCHOOL OF MEDICINE
SCHEDULE OF FIRST-YEAR CLASSES, 1940-41
Second Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 12	Gross Human Anatomy Med. 300b					
1:15 to 4:45	Biochemistry Med. 340b	Anat. of Nerv. System Med. 320	Biochemistry Med. 340b	Anat. of Nerv. System Med. 320	Biochemistry Med. 340b	

SCHOOL OF MEDICINE
SCHEDULE OF SECOND-YEAR CLASSES, 1940-41
First Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:00 to 12:00	Physiology Med. 400	Physiology Med. 400 9:00-11:00 Pathology Med. 450	Physiology Med. 400	Physiology Med. 400 9:00-11:00 Pathology Med. 450	Physiology Med. 400	
1:15 to 4:45	Bacteriology and Immunology Med. 440-441	Pathology Med. 450	Bacteriology and Immunology Med. 440-441	Pathology Med. 450	Bacteriology and Immunology Med. 440-441	

SCHOOL OF MEDICINE
SCHEDULE OF SECOND-YEAR CLASSES, 1940-41
Second Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 10:30	Physical Diagnosis Med. 480	Physical Diagnosis Med. 480	Pharmacology Med. 410	Pharmacology Med. 410	Physical Diagnosis Med. 480	Pharmacology Med. 410
10:30 to 12:00	Pathology Med. 451 (⅓ Class)	Pathology Med. 451 (⅓ Class)			Pathology Med. 451 (⅓ Class)	
1:00 to 2:00	Pathology Med. 451	Parasitology Med. 442	Pathology Med. 451 1:15-2:00	Parasitology Med. 442	Neurology	
2:00 to 4:00	Clinical Laboratory Methods Med. 482		Clinical Laboratory Methods Med. 482		Pharmacology Med. 410	
4:00 to 5:00				Obstetrics Med. 420		

SCHOOL OF MEDICINE
SCHEDULE OF THIRD-YEAR CLASSES, 1940-41
First Semester

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 11:15	Medicine Wards	Gynecology 8:10-9:00 Medicine Wards	Obstetrics 8:10-9:00 Medicine Wards	Medicine Wards	Medicine Wards	Therapeutics 9:00-11:00
11:15 to 12:15	Surgery	Surgery Clinic	Medicine (Electrocardiography)	Surgery	Surgery	X-ray 11:00-12:00
1:15 to 2:15	Pathology	Dermatology	Urology Lecture	Public Health	Pathology	
2:15 to 5:00	Pathology (⅓ Class) Medicine Wards (Remainder of Class)	Medicine Wards	Pathology (⅓ Class) Medicine Wards (Remainder of Class)	Medicine Wards	Pathology (⅓ Class) Medicine Wards (Remainder of Class)	

SCHOOL OF MEDICINE
SCHEDULE OF THIRD-YEAR CLASSES, 1940-41
Second Semester
(Sections [Medicine and Surgery] change March 31, 1941)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:00 to 11:15	Medicine Wards 8:30-11:15 or Surgery Out-patient Clinic 9:00-11:15	Gynecology Lecture 8:00-8:50 Orthopedic Lecture 9:00-10:00 Orthopedic Wards 10:00-11:15	Obstetrics Lecture 8:00-8:50 Medicine Wards 9:00-11:15 Surgery Out-patient Clinic 9:00-11:15	Medicine Wards 8:30-11:15 or Surgery Out-patient Clinic 9:00-11:15	Medicine Wards 8:30-11:15 or Surgery Urology 9:00-11:15	Surgery Section
11:15-12:15	Pediatrics Lecture	Surgery Clinic	Tuberculosis Clinic	Medicine Lecture	Medicine Clinic	
1:15-2:15	Dermatology Lecture	Ophthalmology Lecture	Psychiatry Lecture	Public Health	Otolaryngology Lecture	
2:15-3:10			Proctology Neurosurgery		Anesthesia	
3:00-4:00					Surgery Section	
4:00 to 6:00	Surgery Section Histopathology Sections				Histopathology Sections	

SCHOOL OF MEDICINE
SCHEDULE OF FOURTH-YEAR CLASSES, 1940-41

In the fourth year the class is divided into three sections, the school year into three clinical periods, and the work to be done into three subdivisions. Each clinical period extends for approximately eleven weeks.

	Group I	Group II	Group III
1st Clinical Period Sept. 16, 1940 to Dec. 2, 1940	Special Clerkship Period Dermatology Communicable Diseases Syphilis Clinic Psychiatry	Surgical Clerkship Period	Medical Out-patient Period
2nd Clinical Period Dec. 2, 1940 to Mar. 3, 1941	Medical Out-patient Period	Special Clerkship Dermatology Communicable Diseases Syphilis Clinic Psychiatry	Surgical Clerkship Period
3rd Clinical Period Mar. 3, 1941 to May 24, 1941	Surgical Clerkship Period	Medical Out-patient Period	Special Clerkship Period Dermatology Communicable Diseases Syphilis Clinic Psychiatry

Clinics in medicine and surgery, a clinical pathological conference and pediatrics in the Children's Hospital continue throughout the year.

Electives. Time is available for elective work to a certain extent throughout the year, but is greatest during the medical out-patient period. At the beginning of the year each student will submit his program of elective work for approval. Electives in medicine and surgery are available as indicated in the description of courses in these departments. Elective work available in obstetrics and gynecology and in the preclinical sciences will be announced.

SCHOOL OF MEDICINE
SCHEDULE OF FOURTH-YEAR CLASSES, 1940-41
SPECIAL CLERKSHIP PERIOD

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30 to 11:15	Surgery Lecture 8:30-9:30 Dermatology 9:30-11:10	Communicable Diseases 8:10-9:20 Ophthalmology 9:30-11:10	Children's Hospital Pediatrics 9:00-10:00 Orthopedics 10:30-12:15	Obstetrics Gynecology 8:10-9:00 Dermatology 9:30-11:15	Communicable Diseases 8:30-10:30	Psychiatry Groups A & B 9:00-12:15
11:15 to 12:15	Clinical Pathological Conference	Surgery Clinic		Radiology Applied Physiology	Medicine Clinic	
1:00 to 5:00	Allergy Clinic Group A 1:00-3:00 Special Medicine Clinic Group B	Psychiatry Group A Special Medicine Clinic Group B	Psychiatry Groups A & B	Special Medicine Clinic Groups A & B	Special Medicine Clinic Group A Psychiatry Group B	

SCHOOL OF MEDICINE
SCHEDULE OF FOURTH-YEAR CLASSES, 1940-41
SURGICAL CLERKSHIP PERIOD

<table>
<tr><th></th><th>Monday</th><th>Tuesday</th><th>Wednesday</th><th>Thursday</th><th>Friday</th><th>Saturday</th></tr>
<tr><td>8:10
to
9:30</td><td>Surgery
Lecture
8:30-9:30</td><td rowspan="2">Neurological
and
Chest
Surgery
Wards</td><td rowspan="3">Children's
Hospital
Pediatrics
9:00-10:30
Orthopedics
10:30-12:15</td><td>Obstetrics
Gynecology
8:10-9:00</td><td>Obstetrics
Gynecology
Conference
8:10-9:00</td><td rowspan="3"></td></tr>
<tr><td>9:30
to
11:10</td><td>Surgery
Wards</td><td>Urology
and
Surgery
Wards</td><td>Fractures
and
Surgery
Wards</td></tr>
<tr><td>11:15
to
12:15</td><td>Clinical
Pathological
Conference</td><td>Surgery
Clinic</td><td>Radiology
Applied
Physiology</td><td>Medicine
Clinic</td></tr>
<tr><td>1:15
to
3:30</td><td>Malignancy
Out-patient
Group A</td><td>Surgical
Pathology
Groups A & B</td><td>Conference
Groups A & B</td><td>X-ray and
Radium
Therapy</td><td>Otology
Rhinology
Laryngology</td><td rowspan="2"></td></tr>
<tr><td>3:30
to
5:00</td><td>Surgery
Wards</td><td>Surgery
Wards</td><td>Surgery
Wards</td><td>Surgery
Wards</td><td>Surgery
Wards</td></tr>
</table>

SCHOOL OF MEDICINE
SCHEDULE OF FOURTH-YEAR CLASSES, 1940-41
MEDICAL OUT-PATIENT PERIOD

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:10 to 11:15	Surgery Lecture 8:30-9:30 Heart Clinic Group A 9:30-11:15 Tuberculosis Barlow Sanatorium Group B 10:00-12:00	Neurology Clinic 9:00-11:15	Children's Hospital Pediatrics 9:00-10:30 Orthopedics 10:30-12:15	Obstetrics Gynecology 8:10-9:00 Neurology Clinic 9:00-11:15	Obstetrics Gynecology Conference 8:10-9:00 Heart Clinic Group A 9:00-11:15 Tuberculosis Barlow Sanatorium Group B 9:00-11:15	
11:15 to 12:15	Clinical Pathological Conference	Surgery Clinic		Radiology Applied Physiology	Medicine Clinic	
1:15 to 5:00	Medicine Clinic	Medicine Clinic	Medicine Clinic	Medicine Clinic	Medicine Clinic	

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

Session of 1939-40

First Year

Name	School Last Attended and Degrees	Home Address
Abbott, Arnold Wilson	A.B., University of Redlands, 1939	Redlands
Barnett, Clair Ben	University of California	Cypress
Bartlett, Robert Ellington	University of California at L. A.	Los Angeles
Barton, Richard Thomas	University of Southern California	Glendale
Bobbitt, James Robert	A.B., Occidental College, 1939	Pasadena
Borel, Jack Constant	University of Southern California	Los Angeles
Bowen, Gordon Theodore	University of California at L. A.	Pasadena
Coumbe, Jay Etzell	University of Southern California	Sierra Madre
Davis, Fremond Emerson, Jr.	University of Southern California	Los Angeles
Dennis, Vernon R., Jr.	A.B., University of California, 1939	San Diego
Dorr, Thomas Osborn	A.B., University of Southern California, 1939	Arlington
Edwardes, Arthur Francis	A.B., University of California at L. A., 1939	Los Angeles
Edwards, George Spaulding	A.B., University of California, 1939	Santa Barbara
Fluhrer, John James	University of Southern California	Los Angeles
Forde, Douglas Lincoln	University of Southern California	Los Angeles
Fox, Ernest Thomas	A.B., Occidental College, 1939	Pasadena
Frudenfeld, Karl	A.B., University of Southern California, 1939	Inglewood
Ginn, James Allen, Jr.	University of Southern California	Phoenix, Arizona
Grube, John Fred	A.B., University of California at L. A., 1939	Beverly Hills
Haase, Karl Harris	University of Southern California	Los Angeles
Hill, Wilbert Grant	University of California at L. A.	Los Angeles
Hoffman, Peter Louis	A.B., University of Southern California, 1939	Los Angeles
Huntley, Eugene William	University of Southern California	North Hollywood
Irvine, Alexander Ray, Jr.	A.B., Stanford University, 1939	Beverly Hills
Keating, William Edward	Loyola University, Los Angeles	Los Angeles
Kruse, Charles Atherton	University of California at L. A.	Beverly Hills
Langmade, Charles Franklin	University of Southern California	Balboa Island
Long, Albert Esthus	University of Southern California	Los Angeles
McKenzie, Maurice Stiefel	University of Southern California	San Marino
McVann, Robert Martin	University of Southern California	Los Angeles
Mellen, Clark Hugh	A.B., Stanford University, 1939	Los Angeles
Miller, Albert Jay	University of Southern California	Azusa
Paschall, Jack, Jr.	University of Southern California	Sierra Madre
Paxton, Frank Fox	A.B., University of Southern California, 1938	Hollywood
Pearson, George Winslow	A.B., University of California, 1938	Hollywood
Reinberg, Martin Henry	University of Southern California	Los Angeles
Riparetti, Perf Paul	A.B., University of Southern California, 1939	Santa Barbara
Rosenbloom, Nathan	University of Southern California	Los Angeles
Ruth, Edward Compton	University of Southern California	Los Angeles
Schneider, Gordon Frederick	University of Southern California	Holtville
Schultz, Ernest Bennett	University of Southern California	Ontario
Sedgwick, Robert Post	University of Southern California	Los Angeles
Sheldon, John Fisk	B.S., University of New Mexico, 1939	Pasadena
Smale, Leroy Edgar	A.B., University of California at L. A., 1939	Santa Monica
Sturgeon, Phillip	University of California at L. A.	West Los Angeles
Taw, Richard Llewellyn	B.S., University of Nevada, 1938	Sparks, Nevada
Thickstun, James Toolan	A.B., University of California at L. A., 1939	Los Angeles
Thompson, William Covington	University of California	Los Angeles
*Tweedy, Donald Leslie	University of Southern California	Yuba City
Vanosse, Oliver Eddington, Jr.	A.B., University of Southern California, 1939	Stockton
Westover, Joseph Lawrence	A.B., University of Southern California, 1939	Los Angeles
Wier, Robert Howard	B.S., Loyola University, Los Angeles, 1939	Los Angeles
Wiest, William Graves	University of Southern California	Los Angeles
Wilson, Stanley Mainard	A.B., Stanford University, 1939	Los Angeles

*Withdrew during first semester.

Second Year

Name	School Last Attended and Degrees	Home Address
Ariaudo, John Adolph	A.B., University of Southern California, 1938	Los Angeles
Bigler, Roscoe Boley	B.S., Loyola University, Los Angeles, 1938	Huntington Park
Bockoven, John Sanbourne	A.B., University of Southern California, 1939	West Los Angeles
*Bristow, David Austin	Fresno State College	Fresno
Cailliet, Rene	Villanova College, Pennsylvania	Los Angeles
Davis, John Howard	A.B., University of California, 1936	Beverly Hills
Drury, Robert Burton	A.B., Whittier College, 1937	Whittier
Edelbrock, Harold Herbert	A.B., University of Southern California, 1939	Ontario
Erler, Stanleigh	A.B., University of Southern California, 1939	Los Angeles
Esposito, Leslie Vincent	B.S., Loyola University, Los Angeles, 1938	San Pedro
Exter, Donald John	University of California at L. A.	Los Angeles
Freidin, Morris	A.B., University of California at L. A., 1938	Los Angeles
French, William Forrest	A.B., University of California at L. A., 1938	Los Angeles
George, Lowell Edwin	A.B., University of California at L. A., 1938	Huntington Park
Gillespie, James Delos, Jr.	A.B., University of California at L. A., 1937	Beverly Hills
Haig, Pierre Vahé	A.B., Occidental College, 1938	Los Angeles
Henderson, Charles Edwin	A.B., University of Arizona, 1937	Phoenix, Arizona
Jacobs, William Ralph	A.B., University of Cincinnati, 1938	Cincinnati, Ohio
Johnson, William Mosher	A.B., Occidental College, 1938	Los Angeles
La Briola, Joseph Harold	A.B., University of Southern California, 1939	Los Angeles
Layman, John Delbert	A.B., University of California at L. A., 1929 Ph.D., University of Chicago, 1934	Montebello
Leavelle, Robert Bryan	A.B., University of California at L. A., 1938	Los Angeles
Leonard, Alvin	University of California at L. A.	Los Angeles
Lipson, Morris	University of California at L. A.	Van Nuys
LoPinto, Andrew Fulvio	A.B., San Diego State College, 1938	San Diego
McDowell, Mehl	A.B., University of California at L. A., 1938	Los Angeles
McMorrow, Clyde Henry	A.B., San Diego State College, 1938	San Diego
Meens, David Foley	A.B., University of Redlands, 1938	Grand Junction, Colo
Miller, Loren Seifert	A.B., University of Southern California, 1939	Los Angeles
Mott, Loran Etlar	A.B., University of Southern California, 1939	Downey
Mueller, Edward John, Jr.	A.B., University of California at L. A., 1938	Los Angeles
Nicholas, Frank George	A.B., University of Southern California, 1939	Los Angeles
Pallais, Armando Ralph	University of California at L. A.	Los Angeles
Philo, Frank Goldsmith, Jr.	A.B., Stanford University, 1938	Long Beach
Reed, Joseph Arthur	A.B., University of California, 1938	Altadena
Scott, Robert Frederick	A.B., University of Southern California, 1938	Los Angeles
Shennum, Paul Gordon	University of Southern California	Los Angeles
Silver, Sidney Harold	University of California at L. A.	Los Angeles
Simpson, William Edward, Jr.	A.B., University of California at L. A., 1938	Los Angeles
Smillie, Jack Graham	A.B., University of California at L. A., 1938	Pacoima
Smith, Sheldon Phelps	A.B., Pomona College, 1932	Whittier
Sparkuhl, Konstantin	University of California at L. A.	Hollywood
Sperry, Arthur De Forest, Jr.	Occidental College A.B., University of Southern California, 1939	Long Beach
Stanton, William Weber	A.B., Pomona College, 1938	Long Beach
Truax, Hugh Conrad	A.B., University of California at L. A., 1938	Los Angeles
Turner, Charles Try	B.S., University of Nevada, 1938	Los Angeles
Voelker, Robert Beverly	A.B., University of Southern California, 1938	Glendale
Weiner, Herman	B.S. (Pharm.), Univ. of So. California, 1936 A.B., University of Southern California, 1939	Los Angeles
Widmann, Rudolph Robert	A.B., Stanford University, 1936; M.S., 1938	Guatemala City, Guatemala
Wood, Walter Lewis, Jr.	A.B., University of California at L. A., 1938	Los Angeles

*Re-entered second semester.

Third Year

Name	School Last Attended and Degrees	Home Address
Adams, Deane Taylor	A.B., University of Southern California, 1938	Glendale
Alexander, Harold Burton	A.B., University of California at L. A., 1937	Los Angeles
Allin, Jack Gordon	University of California at L. A.	Pasadena
Allington, Robert Raymond	A.B., University of Southern California, 1937	Los Angeles
Bradley, William Guerin	A.B., University of California at L. A., 1937	Los Angeles
Buell, James Irwin	A.B., Occidental College, 1937	Long Beach
Carl, Nathan Emerson	A.B., University of Southern California, 1937	Los Angeles
Carter, Norman Kinman	A.B., Pomona College, 1933	Whittier
Clark, Gilbert	A.B., University of California, 1937	Oakland
Crane, Jay Freeman	A.B., University of Southern California, 1938	Los Angeles
Davis, Alvin Elsworth	A.B., University of California at L. A., 1937	West Los Angeles
Davis, James Grover, Jr.	A.B., University of Southern California, 1938	Los Angeles
Eisenbeiss, John Andrew	A.B., University of Southern California, 1938	Glendale
Elerding, Alan Colgrove	University of California	Los Angeles
Felix, John Mariano	A.B., University of Southern California, 1937	Honolulu, T.H.
Fonda, Maxwell Peterson	A.B., University of Southern California, 1938	Altadena
Foster, Robert Ellison Lee	University of California at L. A.	Los Angeles
Friedman, Marshall Hayden	A.B., University of California at L. A., 1936	Los Angeles
Funke, Robert Edward	University of California at L. A.	Long Beach
Furer, Stanford Arthur	A.B., University of Southern California, 1937	Beverly Hills
Green, Walter Stanley	University of California at L. A.	Los Angeles
Hall, Jack Elwin	A.B., University of Southern California, 1938	Los Angeles
Holt, Walter Clenton, Jr.	A.B., University of Southern California, 1938	Hollywood
Kirby, Frederick Goff	A.B., Stanford University, 1937	Santa Monica
Lange, Otto Heinrich	A.B., University of California at L. A., 1937	Roscoe
Moore, Emory Speer, Jr.	A.B., University of Southern California, 1938	Los Angeles
Movius, Herbert John	A.B., University of Southern California, 1938	Los Angeles
Munger, John Roger	A.B., Stanford University, 1937	Santa Paula
Murphy, Lyle Francis	A.B., University of California at L. A., 1934	Glendale
Murrieta, Alfred John, Jr.	A.B., Stanford University, 1936	Los Angeles
Nelson, James Hunter	A.B., University of Arizona, 1936	Tucson, Ariz.
Nesson, Willard Irwin	A.B., University of Southern California, 1937	San Marino
Nielsen, Robert Freeman	University of California at L. A. A.B., University of Southern California, 1939	Santa Monica
Nielson, Joseph Leroy, Jr.	A.B., University of California, 1937	Berkeley
Niemetz, David	A.B., University of California at L. A., 1936 A.M., University of Southern California, 1937	Hollywood
Payne, John Howard	A.B., University of Southern California, 1938	Eagle Rock
Phillips, Israel Edward	University of Southern California	Los Angeles
Pulido, Venustiano	A.B., University of California at L. A., 1937	Los Angeles
Redner, L. Robert	University of Southern California	Monterey Park
Roland, William Chester	A.B., University of California, 1937	Sacramento
Scanlin, Harold Robert	A.B., University of Southern California, 1937	Los Angeles
Scofield, D. Stanley	University of California A.B., University of Southern California, 1938	San Diego
Smith, Turner Burton, Jr.	University of California at L. A.	Wilmington
Stanfill, Charles Mac	A.B., University of Southern California, 1938	Los Angeles
Stirrett, Lloyd Arthur	A.B., University of Southern California, 1938	Los Angeles
Thornburg, Harold Babcock	University of California at L. A.	Alhambra
Underwood, Laurence Joseph	A.B., University of California at L. A., 1937	Los Angeles
Walt, Richard William	A.B., Stanford University, 1937	North Hollywood
Wilkinson, Hildegarde R. J.	A.B., University of Southern California, 1926	Beverly Hills
Wilson, John Allen, Jr.	A.B., University of Southern California, 1938	Los Angeles

Fourth Year

Name	School Last Attended and Degrees	Home Address
Adams, Robert Malcom	University of California	San Leandro
Allen, LeRoy Richard	A.B., University of Redlands, 1936	Pasadena
Anderson, George Carl	A.B., University of Southern California, 1937	Los Angeles
Bachmann, George William, Jr.	A.B., Stanford University, 1936	Santa Monica
Biggy, Robert Frank	A.B., University of Southern California, 1936	Los Angeles
Bleiberg, Donald Joseph	A.B., University of Southern California, 1936	Los Angeles
Brown, George Edward	A.B., University of Southern California, 1937	Hollywood
Buell, Frank Andrew	A.B., University of California at L. A., 1936	Los Angeles
Burleigh, John Sullivan	Occidental College	Alhambra
Coleman, Ralph Leslie	University of California at L. A.	Hollywood
Cullen, Edward Russell	A.B., University of California, 1936	Long Beach
Finerman, Wilmore Bernart	A.B., University of California at L. A., 1935	Los Angeles
Franklin, Roland Gould	University of California at L. A.	Alhambra
Frantz, Winthrop Steele	University of California	Sacramento
Freed, Arnold Lawrance	A.B., University of California, 1934	Los Angeles
Gaspar, John Lambert	University of Southern California	Los Angeles
Gaspar, Max Raymond	A.B., Morningside College, 1936 University of South Dakota School of Medical Sciences	Torrance
Gibson, Thomas Albert	A.B., University of Southern California, 1937	Prescott, Ariz.
Hallstone, Victor Everett	A.B., University of California, 1935	Turlock
Hovsepian, Deron	A.B., University of California at L. A., 1936	Pasadena
Iseminger, Sidney Willis	A.B., University of Southern California, 1936	Roseville
James, Robert Ernest	A.B., University of Southern California, 1936	National City
Kelly, James Eugene	A.B., University of Southern California, 1937	Los Angeles
Kelly, Robert Francis	B.S., Loyola University, Los Angeles, 1936	Glendale
Knupp, Wilber S.	A.B., University of Southern California, 1936	Whittier
Koch, Eugene Robert	A.B., University of Southern California, 1936	Whittier
Kusayanagi, Masako	A.B., University of Southern California, 1936	Los Angeles
Lasky, Irving Israel	A.B., University of Southern California, 1937	Los Angeles
MacClocklin, Dorothy Imogene	A.B., University of Southern California, 1937	Fullerton
Malone, Charles Morton	A.B., University of California, 1935	Phoenix, Ariz.
Mazur, Harold Morris	A.B., University of California at L. A., 1934 A.M., University of California, 1936	Los Angeles
Meals, William Goode	San Diego State College	Los Angeles
Meehan, Herbert	A.B., University of California at L. A., 1934	Glendale
Newkirk, Merlin Louis	A.B., University of California at L. A., 1936	Bellflower
Pearson, John Peter	University of Arizona	Los Angeles
Pratt, John Rolfe	University of Southern California	Los Angeles
Roe, William Forth	A.B., University of California at L. A., 1934	Glendale
Singhoff, Arno Wolfgang	University of California at L. A.	Los Angeles
Sloan, Ralph Varian	A.B., University of California at L. A., 1934	Glendale
Smith, Samuel Newlan	University of California at L. A.	West Los Angeles
Spiers, Donald William	A.B., University of Southern California, 1935	Los Angeles
Stephenson, William Hughes	A.B., University of California at L. A., 1936	Los Angeles
Sugarman, Jerome Norman	A.B., University of Southern California, 1937	Los Angeles
Sweeley, Glenn George	A.B., University of California at L. A., 1935	Los Angeles
Taggart, John Victor	University of California at L. A.	Los Angeles
Tapia, Carlos Telles, Jr.	A.B., University of Southern California, 1937	Sonora, Mexico
Thurber, Packard, Jr.	A.B., University of Southern California, 1938	Los Angeles
Wilkins, Howard Francis	B.S., Loyola University, Los Angeles, 1936	Los Angeles

Fifth Year

Name	School Last Attended and Degrees	Interneship
Andler, Maxwell, Jr.	A.B., University of Southern California, 1936	Los Angeles County Hospital
Bacon, Edison Pierce	University of Southern California	Los Angeles County Hospital
Baker, Molly Buttress	A.B., University of California at L. A., 1934	Los Angeles County Hospital
Bassett, John Winfield	A.B., University of Southern California, 1937	Santa Fe Coast Lines Hospital
Brock, Burton K.	University of Southern California	Fresno County General Hospital
Buel, Walter Henry	A.B., University of Southern California, 1936	Queen of Angels Hospital
Butler, Charles Gleason	University of California at L. A.	U. S. Naval Hospital San Diego
Crawford, Donald John	University of California	Los Angeles County Hospital
Dahlman, Rynol Austin	University of California at L. A.	Los Angeles County Hospital
Daniels, Elijah Robert	University of Southern California	Orange County Hospital Orange
Feder, Bernard Herbert	A.B., University of Southern California, 1936	Los Angeles County Hospital
Feeney, John Robert	B.S., D.D.S., University of Southern	Santa Fe Coast Lines Hospital
Flynn, John Francis, Jr.	A.B., University of California at L. A., 1936	Santa Fe Coast Lines Hospital
Homann, Ralph E., Jr.	B.S., California Institute of Technology, 1935	Los Angeles County Hospital
Hudson, Charles Burton	Ph.G., University of California, 1931; A.B., 1935	Alameda County Hospital Oakland
Ingham, Harrington Vose	Pomona College	Orange County Hospital Orange
Ireland, Robert McLeod	A.B., University of Southern California, 1936	Queen of Angels Hospital
Jones, Samuel Austin	University of California	Alameda County Hospital Oakland
Kimball, Merritt Hazen S.	University of California at L. A.	St. Luke's Hospital Denver, Colorado
Kistler, Lewis Maxwell	University of Southern California	Los Angeles County Hospital
Knott, Leslie Whitestone	A.B., Occidental College, 1933	U. S. Marine Hospital Chicago, Illinois
LaMotte, John Latimer	University of California at L. A.	Santa Clara County Hospital, San Jose
Lancaster, George Gale	A.B., University of Southern California, 1937	Huntington Memorial Hospital, Pasadena
Levan, Norman E.	A.B., University of Southern California, 1936	Los Angeles County Hospital
Lynch, Theodore Thomas	Loyola University at Los Angeles	Santa Fe Coast Lines Hospital
Maguire, Joseph Francis	A.B., University of California at L. A., 1935	San Bernardino County Hospital, San Bernardino

Fifth Year—Continued

Name	School Last Attended and Degrees	Interneship
Moore, Frederick Jessup	A.B., Hamilton College, 1933;	Los Angeles County Hospital
Morgan, David William	A.B., Pomona College, 1934	Alameda County Hospital Oakland
Morreale, John J.	A.B., University of Southern California, 1936	Queen of Angels Hospital
Moss, George Lester	A.B., University of California, 1935	Orange County Hospital Orange
Norene, Robert Andrew	A.B., University of Southern California, 1935	Los Angeles County Hospital
Olney, Millard Parker	A.B., University of California at L. A., 1935	Los Angeles County Hospital
Peck, Richard Oliver	University of California at L. A.	Sacramento County Hospital, Sacramento
Porter, James Llewellyn	A.B., University of Southern California, 1935	San Diego County Hospital, San Diego
Ridge, Gerald Kent	University of California at L. A.	Southern Pacific General Hospital, San Francisco
Schuldberg, Irving Israel	A.B., University of Southern California, 1937	Los Angeles County Hospital
Shulman, Leon Junior	A.B., University of California at L. A., 1935	Los Angeles County Hospital
Smith, Robert Lincoln	A.B., University of California at L. A., 1935	Santa Fe Coast Lines Hospital
Stratton, Victor Charles	University of California at L. A. A.B., University of Southern California, 1936	St. Vincent's Hospital
Suzuki, Tsutomu Tom	A.B., Occidental College, 1935	St. Joseph's Hospital Joliet, Illinois
Swift, Lorin Clyde	University of California at L. A.	Los Angeles County Hospital
Vickers, James Edmund	A.B., University of California at L. A., 1935	San Bernardino County Hospital, San Bernardino
Walters, John Douglas	A.B., University of California at L. A., 1934	Los Angeles County Hospital
Wilks, Frank Wallace	University of California at L. A.	Los Angeles County Hospital

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